

Manufacturers Record

Exponent of America



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June 11, 1925

A Sample of Communistic and Bolshevistic Methods

In order that our readers may fully understand the viciousness of the communistic and bolshevistic campaign which is under way in this country, and indeed throughout the world, for the overturning of established governments, we are reprinting a four-page article from *The Worker* of Chicago. *The Worker* is devoted to the spread of communistic teachings and is vicious and vigorous in its campaign. Its May 1 issue was so unspeakably vile in the way in which it discussed economic problems of the day and sought to arouse the hatred of the working people of the country to established government and to the economic system of the times, by the most diabolical pictures we have ever seen published, that we have in this issue made an exact reproduction of these pictures as they appeared in that paper, with the editorial which accompanied them.

Comparatively few of the more intelligent, thinking business men of the country are at all advised as to what is going on in this communistic campaign. Perhaps here and there they read a few lines about it, passing the matter over as of no particular value to them, and not realizing the menace which faces this country and the world. If our readers want to understand the situation and realize the devilishness of this kind of work we suggest that they turn to the three pages containing the reproductions of the cuts from the May 1 issue of *The Worker* and read in connection therewith the reproduction of the editorial from that publication, and they will then get a faint idea of the kind of campaign that is being carried on with a view to the destruction of the civilization of the day.



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JUNE 11, 1925

Manufacturers Record

EXPONENT OF AMERICA

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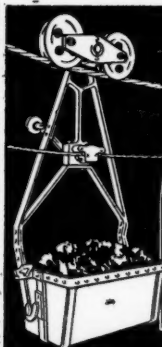
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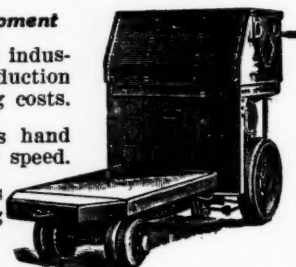
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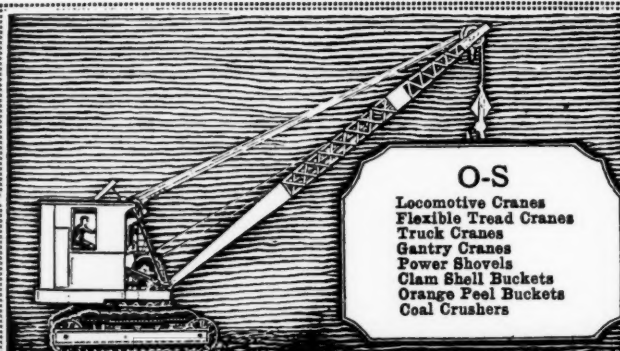
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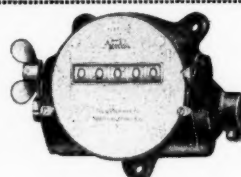


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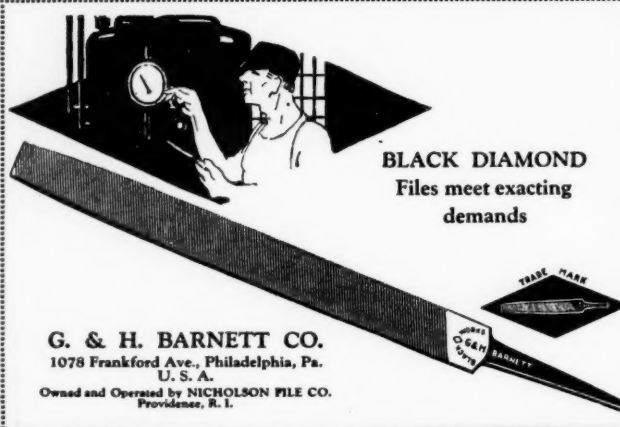
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Manufacturers Record

EXPONENT OF AMERICA

Devoted to the Upbuilding of the Nation Through the Development
of the South and Southwest as the Nation's Greatest Material Asset

Trade-Name Registered in the U. S. Patent Office

Vol. LXXXVII No. 24
Weekly

BALTIMORE, JUNE 11, 1925.

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A Great Southward Movement Started.

DR. CHARLES H. HERTY, president of the Synthetic Organic Chemical Manufacturers Association, in a letter to the MANUFACTURERS RECORD, referring to the Southern Exposition, writes:

"I think the MANUFACTURERS RECORD has started a great movement for the future industrial development of the South through the agency of this Exposition."

The movement was not started by the MANUFACTURERS RECORD. We take no credit for starting it, but after it had been started, and especially at the time when failure seemed imminent, the MANUFACTURERS RECORD threw itself into the fight in every way possible. Within a few weeks at its crucial period we spent \$1000 or more wiring to different people throughout the South and to Southern newspapers to arouse their interest in the matter. And we count this as perhaps one of the best expenditures that this paper ever made in behalf of the South. The Exposition was a success, even though not as complete and comprehensive as it should have been, but it has started a nation-wide discussion about the South. It has made millions of people who had paid very little attention to the South think more about this section and its possibilities. Greater, however, than this has been the awakening which it has brought to the Southern people themselves. It has quickened their zeal, stirred their enthusiasm, given them a new conception of what the South is, what it has, what it has done and what it can do. This is a greater achievement for the future than merely the arousing of increased interest on the part of millions of Northern and Western people about the South.

It is particularly fortunate, moreover, viewed from a broad standpoint, that the states of the central South were the ones which made the best exhibits—Alabama, Georgia, South Carolina, and in part North Carolina. It is superb work which will redound to their great benefit through all the coming years. The enthusiasm created in Alabama by the winning of the \$5000 advertising prize offered by the MANUFACTURERS RECORD has resulted in hundreds of editorials in Alabama papers, stirring the people of that state to still larger activity, while at the same time commanding nation-wide attention to the exhibit which Alabama was able to make. Georgia did not secure the prize, but Georgia is infinitely richer in enthusiasm on the part of its own people for the development of their own state than it was before it began its campaign for making an exhibit. Its people caught the spirit stimulated by the Junior Chamber of Commerce of Atlanta in its fight for a state exhibit. The eyes of its own people were opened to what Georgia has and what it is doing. And this experience is worth to Georgia through all future years many millions of dollars if measured simply from a financial standpoint. Measured from the standpoint

of the spirit, the life and enthusiasm created, the benefits far exceed those of the purely material side.

South Carolina and Louisiana were benefited in exactly the same way. The people of these states did not themselves realize what they had or what they were doing. They, too, caught the vision of their resources and their progress, and we venture the assertion that they will give a lively race to every other state in the South which seeks next year to secure the \$5000 advertising prize again offered by the MANUFACTURERS RECORD.

It has been a peculiar experience through which the South has passed. It has marked a new epoch in Southern thought and has quickened into a livelier spirit the life of the South. It is as distinct an epoch in Southern upbuilding, in Southern creative work, as was the Atlanta Exposition of forty years ago. What that exposition did in arousing the thought of the entire country to the South the Southern Exposition has now done and on a still larger scale. Already plans are under way for another Southern Exposition to be held in the fall of 1926. Already reservations of space are being made, and the indications are that that Exposition will crowd the Grand Central Palace to the limit of its capacity and that even then belated states or communities or individual organizations will find themselves left out in the cold for lack of space.

Looked at from the viewpoint of the whole South, it is really fortunate that Florida, which is already the center of such nation-wide interest, was not fully represented and therefore did not win the prize. For the development of Florida is tending to draw people away from the central South into that richly endowed state. But the development of Florida, we believe, is only the forerunner of a somewhat similar development destined to operate over the entire South, from Virginia to Texas. Some states have one advantage, some have others, some have one kind of climate, some another, but there is not a state in the South which is not so richly endowed that if it could be bodily transferred to New England or to the central West it would be the concentrating point of the great industrial and financial force of the community.

Contrasted with the lack of advantages of any state in New England, abounding as they are in accumulated wealth, any state in the South, if it could be transferred to New England, would stand out mountain top ahead of them and the rest of New England would be drained by the rush of people moving into that particular state. The movement to Florida, broad as it is, expanding as it will for years to come, is, in our opinion, only indicative of the movement of men and money, already slightly beginning, which in the not distant future will quicken into life the latent energy and potentialities of every state in the South. Let us qualify that with this statement. It will quicken into life every state which has life enough in itself to have faith in its own re-

sources, faith in its own possibilities and which will make these known not only to its own people but to the people of the country at large.

You cannot expect outside people to have faith in any state which has not energy and activity enough to tell the story of what it has, and with enthusiasm at home to create enthusiasm abroad. The movement will be Southward and on a gigantic scale, but it will pass over, or pass by, the states which lack the initiative and the energy to do for themselves what the people of Florida did for themselves long before the mighty tide of population moved that way.

Every railroad in the South should be quickened into a new zeal and energy in making known the resources of this section. No laggard railroad, dropping behind, failing to make the best of the opportunity, should henceforth be found anywhere in the South. Some of them are so well satisfied with the volume of business which they have, and which in many cases is taxing their facilities, that they are not as particularly interested in broad Southern development as they should be. A new generation of officers is needed in such railroads. Perhaps the situation will develop them or bring new ones into existence. The whole situation is good and the outlook is promising, and the results will be in proportion to what the railroads and the people of the South now do for themselves.

The Exposition has started a tremendous movement. Let the people and the railroads make the most of the opportunity.

WHAT A CHANGE!

IN the annual report of the Atlantic Coast Line Railroad one statement of particular interest appears. It is to the effect that during the fiscal year covered by the report 366 new industries were established in the territory tributary to the Atlantic Coast Line and 74 additions were made to existing plants.

The particular interest in this connection is not so much the number of industries established as is the fact that for years one of the leading officials of that railroad constantly took the ground that there were no opportunities for industrial development along the Atlantic Coast Line system, and that the road, therefore, would make no effort to secure industrial development. That statement was repeatedly made not only to representatives of the MANUFACTURERS RECORD, but to business men in cities tributary to that road. It was an incomprehensible statement, and yet the officer who made it seemed absolutely obsessed with the idea and did not hesitate to express his views on the subject.

In criticising that assertion some years ago attention was called to the fact that, stretching from Richmond, Va., to the far coast of Florida, was a vast region reached by the Atlantic Coast Line having many opportunities of industrial development. And yet a leading official was so blind to the situation that he thought it would be a waste of money and time to try to interest people in the industrial development of any of that territory! What a change has been wrought when in the annual report of that road it is pointed out that the industrial progress of the last twelve months added 366 new enterprises and saw the enlargement of 74 existing plants!

Important as these figures are, however, they are merely suggestive of the still larger possibilities for widely diversified industrial opportunities in the territory tributary to that road. If its officials can be made to see how the development of that territory can be hastened by the right kind of upbuilding work on the part of the railroad itself, coming years will show not merely 366 new enterprises within twelve months but several times that number added every year.

AMERICAN CORRESPONDENT ORDERED TO LEAVE FRANCE.

Paris, June 3—[Special Cable.]—Benjamin Knox Raleigh, Paris correspondent of the Whaley-Eaton service of Washington, was served today with a writ of expulsion from France, signed by the Minister of the Interior Schramek. He was given four days to leave the country.

No explanation was offered, but Raleigh says he was called before the police prefect two months ago after sending a cablegram prophesying the 4,000,000,000 franc-note inflation, which later materialized. His cable on that occasion was stopped.

The Whaley-Eaton concern supplies a confidential information service, which is sent from Washington to banks and industrial companies. It is owned by P. H. Whaley, former editor of the Philadelphia Evening Ledger, and Henry Eaton, both of Washington.—*Baltimore Sun*.

The foregoing dispatch to the Baltimore Sun will doubtless become a matter of diplomatic controversy unless France promptly withdraws its order for the expulsion of Mr. Raleigh.

Mr. Raleigh is a well-known newspaper worker, representing in Europe the Whaley-Eaton Service of Washington, which, as stated in this dispatch, sends weekly a confidential letter on business and political matters to a large number of leading financiers and business men of this country.

It is not denied in Paris that Mr. Raleigh's dispatch was absolutely accurate, but it seems that the French Government was anxious to prevent the fact being known that it proposed to inflate its currency, and because Mr. Raleigh, with full knowledge of what was going on, had cabled to the Whaley-Eaton Service in advance of the fact becoming public that this inflation had already taken place, he is now ordered to leave the country.

This is a very great mistake on the part of France. That country is seeking to retain and strengthen the friendship of America. It cannot do this by such methods as the expulsion of newspaper men who give to the people of this country the actual facts as to what is going on in financial or diplomatic circles. Unless the French Government completely withdraws from this untenable position it has taken in the expulsion of Mr. Raleigh and promptly apologizes for its action, it will find the spirit of criticism against French methods growing in America. This would be a most unfortunate situation for the friendship which should exist between the two countries, and would be to the disadvantage of France.

HALF BILLION-DOLLAR GAIN IN EXPORTS.

FOR the ten months ending April the United States exported merchandise to the value of \$4,170,942,000, an increase of \$501,363,000, or over 13 per cent, compared with the total value of exports for a similar period last year.

The aggregate value of exports for the first ten months of the present fiscal year was more than double the total value of the country's exports for the twelve months of 1910 and we are now importing about twice the value of the country's imports in 1910. Imports for the ten months ending April amounted to \$3,174,099,000, compared with \$2,977,048,000 during the corresponding period of 1924.

Exports to all principal countries of the world showed increases in value, with the exception of those to Sweden, China and Japan. Exports to Europe as a whole increased from \$1,897,964,000 to \$2,339,762,000 for the ten months ending April. Exports to North America increased from \$869,928,000 to \$939,635,000; South America, \$230,833,000 to \$293,531,000; Oceania, \$130,747,000 to \$135,981,000, and Africa, \$53,761,000 to \$63,472,000, while the value of exports to Asia dropped from \$486,342,000 to \$398,558,000 for the ten months ending April.

CONTROL OF EXCHANGE FOR TRADE PROTECTION.

SEVERAL weeks ago, at the time when the British Government was under interpellation in the House of Commons as to its steps for stabilizing the pound sterling on a gold basis, Winston Churchill made a statement that, for absolute frankness, is almost without parallel as a revelation of the financial methods officially practiced for the benefit of British international trade.

The world long has understood that the British banking houses carefully guarded the exchange rates, with the result of attracting purchases by foreign peoples in the British market. That consisted in giving to the foreign buyer a better rate for his money, or a low enough rate in comparison with costs of production in England and in competitive countries, so that on any particular date he could better afford to place his orders in Great Britain than elsewhere. This is practically equivalent to transferring the trade balance between any two countries to the credit of Great Britain, so that the favorable balance should become available for purchases there rather than in the original debtor country. For example, last autumn, when the Spanish crops had begun to move into our markets, it was advantageous to the Spanish shipper to negotiate his American bills of exchange in London, thereby gaining about 12 pesetas for every hundred dollars owed him. Naturally, he would convert this into a British credit, which then would become available for purchases in Great Britain, giving the Spaniard higher purchasing power in that market than would have been possible had he utilized his American credit to make purchases in the United States. The lower cost of production, which would lower the price of goods in Great Britain as compared with like purchases in the United States, to say nothing of the advantage in freights, would insure increased trade between Spain and Great Britain. This would be true even when the exchange rates exactly balanced. So the practice of buying bills of exchange to be converted into London credits forces the trade in that direction. In all this lies no mystery but simple good finance. In the large it serves the admirable purpose of a method of trade protection.

The ways and means for fomenting and protecting commerce are as varied as the seasons. In the particular case in which Winston Churchill was compelled to answer the interrogatories of his opponents an official relation to this control of exchange rates with foreign countries to the benefit of British trade relations is clearly indicated. An Associated Press dispatch dated at London on May 5 said: "Debate turned today largely on the American credits and the cost to the country of the advance purchases of dollars for the American debt, and the prospects of a return to gold coinage. On general principles Churchill admitted the unsoundness of obtaining American credits, but explained that the credits were resorted to, not as a necessary means but as a contingent precaution. They would enable the Government to influence exchange, if desired, from both sides of the Atlantic."

There is nothing in this to which we object, nor have reason to protest against. It was clever. It did two things at

once: Before the return to parity the Exchequer saw to it that Great Britain should not suffer by paying more than she needs after the re-establishment of the gold basis. The Finance Minister anticipated the market through advance knowledge of what was impending. The pleasant thing is to have that frank acknowledgment by Winston Churchill of official interest in the control of exchange. It is well that we may understand through this object-lesson one of the devices by which Great Britain contrives to maintain her financial supremacy as the clearing-house of the world. By control of the channels through which debts and credits between nations finally are liquidated and converted into British credits, all the world and all the world's commerce, pay tribute to England.

It is a mere idle boast of our postprandial orators that we now have become moderators of the world's financial activities. We have not. We are still mainly pioneers, digging up the raw materials, and we are making money out of them. Because of the vastness of our still unexhausted resources we accumulate such sums that the rest of the world is bleeding us by means of loans, most of which probably never will be, nor can be, paid. We continue to work for other nations, while they blame us for not allowing ourselves to become wholly enmeshed in their inextricable quarrels where they would be able to outvote us at Geneva and lay us open to everlasting tribute.

Not only the disgruntled Nitti complains of our isolation, or, to put it differently, our self-protection, by keeping apart from the hosts of intrigue in order that, if need be, we might become in some measure moral arbiters of the troubles of the world, but Winston Churchill himself, first through an article in the Pall Mall Magazine (September, 1924), and subsequently through the same article broadcasted as propaganda in the United States, upbraids us as having "deserted" the League of Nations, with its trap of six British votes to our one, and at the same time assails our historic friend, France, for having resented the isolation forced upon her by that same League in its failure to help hold Germany to her sworn obligations. If we were the financial arbiters of the world, we would not sit idly by and allow the world's exchange to be cleared through London, nor allow manipulation of exchange to be used to divert trade from us to other countries.

ORGANIZED LABOR IS EXONERATED!

OF course, the policies or activities of organized labor were not either the direct or indirect occasion for the following news item in the New York Herald Tribune:

"Armed with lengths of lead pipe and bricks wrapped in paper, a band of guerrillas invaded three non-union dress factories in the six-story loft building at 529 Eighth avenue yesterday and beat up every male worker who came within their reach."

The ways of organized labor are ways of pleasantness and all its paths are peace. These brutal "guerrillas" undoubtedly were "scabs" or "rats" or whatever other refined name organized labor may use to describe inoffensive and independent non-union workers. It must have been a coincidence that the victims were non-union men.

MOROCCO AND ITS IRON ORES IN THE LIGHT OF THE PRESENT SITUATION.

A FEW years ago E. C. Eckel, a distinguished mining engineer who has made many trips to Europe for American and foreign clients, in the course of a letter to the MANUFACTURERS RECORD said he expected that the next world boom would be in northern Africa.

Courtenay De Kalb, another mining engineer of world experience, who during the World War was a representative to Spain of the Federal Government and at the same time making lengthy studies of the mineral resources of Morocco, often wrote the MANUFACTURERS RECORD of the vast potentialities of the iron ores of that country and their influence upon world political affairs as well as industrial. Mr. De Kalb saw then the danger which Morocco might become as a menace to world peace, and has repeatedly through this paper explained the revolt of the Rif tribesmen against Spain, a revolt which has now spread against France.

The iron ore deposits of Morocco, of which Mr. De Kalb brought home a number of photographs, are well known to European metallurgists as well as to European Governments. Apparently Germany has been seeking to secure control of these deposits, just as it did when it sought to capture those near Verdun. Intrigue after intrigue has been under way. French arms captured by the Germans and furnished to the Rif tribes for a while created an impression in Spain that France was backing these tribesmen in their revolt, until France was able to prove that these were arms captured by Germans and never returned to France.

Morocco is a danger point in the world situation, and in this issue Mr. De Kalb, from his intimate knowledge of Spanish life and activities and of the whole situation in Morocco, gives an extremely interesting story under the heading "International Intrigue for Moroccan Iron." His article illuminates the whole Morocco situation, and in the light of the bearing which that may have upon world affairs should be studied by every reader.

A recent dispatch from Europe stated that Otto H. Kahn of Kuhn, Loeb & Co. of New York, an international banking house, had been motoring in Morocco. In view of Mr. Kahn's world-wide connections with great financial and industrial interests one might naturally ask whether Mr. Kahn's visit to Morocco had any connection with the effort of German industrial interests to secure control of the great iron ore deposits in Morocco. Finance and diplomacy and war often go hand in hand. Perhaps Mr. Kahn was merely motoring over what we have heard are splendid highways in portions of Morocco. Perhaps, on the other hand, he was studying the industrial possibilities in connection with the iron ores of Morocco.

TEXAS REAL ESTATE MEN SET AN EXAMPLE FOR OTHERS.

"TIPS ON TEXAS" is the title of a little leaflet prepared by the MANUFACTURERS RECORD for distribution at the meeting of the International Advertising Clubs held in Houston some weeks ago. This leaflet gave some striking facts in regard to the magnitude of Texas, the immensity of its development and some suggestions as to its future. From many Texas business men enthusiastic commendations have been received about "Tips on Texas." Among these is a letter from W. A. Smith, chairman of the Committee of the Texas Association of Real Estate Boards, entitled "On to Detroit." The real estate people of Texas are going up to the annual meeting of the Association of Real Estate Boards in Detroit from June 23 to June 26 with

a determination to let the real estate people of the country know something about Texas. Perhaps their activity will be of interest to the real estate people of other parts of the South. Mr. Smith in his letter on "Tips on Texas" writes:

"The National Association of Real Estate Boards holds its annual convention in Detroit, June 23 to 26, inclusive. The Texas realtors expect to have a special train to this convention and are preparing some advertising propaganda to be distributed from the train and at the convention. I am so favorably impressed with the concrete form in which you state so many facts about Texas that I am going to ask if there would be any infringement on your rights or if you would have any objection to the realtors of Texas adopting your pamphlet in toto?"

"We have been assembling data and expect to issue just such a pamphlet, but did not want you to feel that we were infringing on your work, and the title 'Tips on Texas' is so fascinating we decided to ask your permission to use it, making it read 'Greetings from the Realtors of Texas.'"

WHO WILL FOLLOW?

Manistee & Repton Railroad Co.,
General Offices.

Monroeville, Ala., May 26.

Editor Manufacturers Record:

I enclose check for \$6.50 to pay my subscription to your paper which has expired, and I also enclose checks to pay the following subscriptions:

M. McFountain, Judge of Probate, 6 months, \$3.25;
C. G. Yorbrough, druggist, 6 months, \$3.25;
S. W. Hixon, merchant, 6 months, \$3.25;
Barnett & Jackson, 6 months, \$3.25, all of Monroeville, Ala.;
M. Katz, merchant, 6 months, \$3.25;
The Monroe County Bank, 6 months, \$3.25, both of Monroeville.

They will remit upon receipt of paper. When I took these subscriptions for them I had forgotten whether the price was \$3.25 or \$3.50 for 6 months. If it is \$3.50, let me know and I will send you check for the difference.

Prof. Geo. A. Harris, County Superintendent of Education, promised me that he would have the six high schools in the county enter their subscriptions for either 6 or 12 months. I am requesting the banks in the county to do likewise. I guarantee the Katz and bank amounts, so let paper come.

L. J. Bugg, Secretary and Treasurer.

Following the foregoing letter came another one dated May 27 enclosing an additional subscription for R. D. Hendricks of Monroeville, Ala. We wonder how many other subscribers of the MANUFACTURERS RECORD who have the same spirit of trying to spread abroad throughout that territory the information about the South have followed the example of Mr. Bugg. His work in getting these subscriptions is wholly voluntary; we had had no previous correspondence with him on the subject, and the list of subscribers he has sent was the first information we had of the work that he was so kindly doing. There are thousands of subscribers to this paper throughout the South who are trying to work for the South with the same enthusiasm that Mr. Bugg does but who do not put it to the same telling effect. We invite their co-operation and suggest that Mr. Bugg has set an example which we would like to see thousands promptly follow.

ADVANTAGE OF SOUTHERN KRAFT MILLS.

A REPRESENTATIVE of the MANUFACTURERS RECORD discussing business matters with a far Western paper company was told they could not do business in certain parts of the South by reason of freight rates, and they added:

"The Southern mills have been able to beat us on price and, as there is a certain standard of quality all must live up to, selling becomes more of a price proposition than anything else. In fact, in most cases the Southern fiber box has more wood pulp in it than those made in the North and the boxes they turn out are better than the Northern boxes."

HOW SHALL WE TREAT OUR FOREIGN DEBTORS?

IN an open letter to President Coolidge, S. Willie of Yeovil, Somerset, England, makes an appeal in behalf of France and its indebtedness to the United States which carries some remarkable statements. In the course of his letter Mr. Willie says:

"By your Dawes scheme you have given a fraudulent bankrupt (openly, intentionally and flagrantly fraudulent) a gold currency, a stool of repentance and a commercial start in Europe which is going far on the road eventually to bankrupt both Great Britain and France, if the former sticks to her crazy fiction of the free trade she has never had and France continues her old policy of race-suicide and irreligion. But what are you going to do for France? She has flung her policy of race-suicide into the depths of hell, from whence it emerged, though certain American and British legislators and professors are offering the hideous thing a greedy welcome on British and American shores."

There is much more along the same line pressing upon the people of this country through this letter to President Coolidge, what France endured in the great World War and how its tremendous struggle saved the world. There are, however, some other extremely interesting things worthy at the present time of deep study. One of these is a quotation from a speech by Victor Hugo to the French Chamber of Deputies. Mr. Willie quotes Victor Hugo as follows:

"Hold your peace, whosoever you may be, who speak in this place. You believe you are speaking to the point. You were never more mistaken. * * * There is a higher Book than 'Le Comper Mathieu,' a more popular Book than 'Le Constitutionnel,' more eternal than 'The Charter' of 1830, and that Book is The Holy Scriptures."

"And permit me here a word of explanation."

"Whatever you may do, the lot of the poor, of the great multitude, of the great majority, will always be relatively poor and unfortunate and sad. For the poor are the heavy burdens—the burdens to be carried, the burdens to be pushed, and the burdens to be drawn."

"Just look at the picture—all the joys in the scale of the rich, and all the miseries in the scale of the poor. Is the division remotely fair? Ought not the scales to be more evenly balanced, and the State to assist the operation?"

"Why not throw in with the lot of the poor, and into the scale of his miseries, the certainty of a celestial future? Throw in, too, the hope of eternal happiness. Throw in Paradise—a magnificent counterpoise. You will re-establish equilibrium. The lot of the poor shall be as wealthy as that of the rich."

"This is what Jesus Christ knew. And He knew a good deal more than did Voltaire."

"Give to the people who toil and who suffer, give to the people for whom this world is a sad place, faith in a better world made for the people; they will be tranquil and patient, for patience is born of hope."

"Then sow broadcast in every village copies of the Holy Gospels. Put a Bible into every hut in the land. Let every Bible and every field in the land produce between them a loyal and honest worker."

In further discussing the subject Mr. Willie adds:

"As these lines are being written, George Whale, a chairman of the Rationalist Press Association of Great Britain, is reported to have died suddenly last night at a banquet given by that association in the Trocadero, London, just as he had finished a ruthless attack on the Christian religion and its ministers. 'The light from some Holy Ghost,' he said, 'is said to have guided the Church for some nineteen hundred years. It has not come. * * *'"

"His last words were, it is reported, 'Do I say eat and drink, for tomorrow we die? No! I say. Take hands and help, for today we live.' Suddenly he collapsed, breathing stertorously, and was carried out of the banquet hall to die, the intending dance being abandoned as the orchestra were actually beginning to tune up their instruments. Only a few moments previously the partners in the impending fox-trots were applauding to the echo the sentiments of the deceased orator!"

"Let Americans and Britishers who are impatient with their French debtor read in the Holy Scriptures what happened to the two debtors of Christ's own story, and what

Christ himself said about them, and the hands that helped to push back the German hordes from the devastated fields of France will then never be clutched upon her throat to extort hasty payment of the money which, after all, was part of the ransom price of their own souls!"

Again Mr. Willie quotes from the Express and Echo of Exeter, May 6, 1925, a statement made by Sir William Joynson Hicks, the Home Secretary. In reporting that speech the Express and Echo said:

"Speaking at the 121st meeting of the British and Foreign Bible Society in London today, Sir William Joynson Hicks, the Home Secretary, said it was in the homes of the people where the Bible had its greatest effect. But it was hindered by newspapers, books and magazines. Some of these books, alas! were unfit to be seen; some of the newspapers were filled with unsavory matter which would be best blotted out, while some of the magazines were filled with trivialities. Was the Bible to be crowded out by this literature? In his work as Home Secretary, the Bible had been the open door of salvation. Looking at it from a State point of view, he knew of only one means by which we could get rid of our prisoners, reformatories and all the other machinery connected with punishment, and that was by bringing the Gospel of Jesus to the hearts of the people. Think what it would mean today if in every home of the Empire there was a copy of the Bible and it was read and studied. It would then be a very different Empire."

The remarkable quotations which Mr. Willie brings to the front taken from Victor Hugo and from the address of Sir William Joynson Hicks are worthy of study, and pre-eminently so at the present time. They bear on international relations, as well as on national and individual affairs. He who does not realize the great truth that there will be no peace throughout the world until it is founded on the religion of Christ, the only safeguard for business and for all other human affairs, has failed to realize or to appreciate the great truths so clearly stated by Victor Hugo and by Sir William Hicks.

The MANUFACTURERS RECORD is firmly convinced that impatience on the part of this country in the payment of indebtedness by France and other European countries, and especially by France, will be extremely unwise, un-Christianlike and unfair to those countries. We believe that the long-period payment granted to Great Britain gave to that country ample opportunity for an increasing wealth which will enable Britain to pay without serious disadvantage. But Great Britain is in a far better position to make such payment than France or Italy. For our own good and for our own and the world's betterment we believe that these countries should be given whatever time may be necessary to enable them to meet these tremendous debts without embarrassment of any kind. We must also remember that the money borrowed from the United States was largely expended in this country for foodstuffs and munitions at exorbitant prices, prices so high that they meant great prosperity to our producers and sellers.

Indeed, as this paper has often said, the flower of our prosperity was fertilized by the blood of millions of soldiers who died on the battlefields of France, Belgium and elsewhere in defense of the world's civilization.

HAS A NEW MYSTERY BEEN SOLVED?

CHARLES CHAPMAN of Daytona, Fla., in trying to make a radio set thinks he has built something vastly more important than a little radio scheme. Mr. Chapman says that to his surprise he found that out of his proposed radio he was able to get power for electric lights direct from the air without any connection with wires. He was so surprised at this that he took his radio far out into the country, miles away from any electric wires, and repeated, according to the Daytona Journal, his experiments with success. The editor of the Journal made a study of these experiments and saw 32 16-candle-power electric bulbs running by what Mr.

Chapman had intended to be merely a radio set. Neither the editor of the Journal nor the inventor—if he is really an inventor—could explain the mystery.

In this connection it may be worth stating that about 20 years ago Tesla, the electrician, said to the writer that in time it would be entirely feasible to transmit electric power any distance without any connecting wires. Has this been accomplished, even in part? Are we on the eve of other great discoveries that are as revolutionizing as the radio itself? One mystery follows another so rapidly that the mind is dazzled as we attempt to measure what has been achieved and what may yet come to pass.

ALABAMA'S VICTORY.

THE Birmingham Age-Herald in a recent issue had a brief account of an address delivered before the Kiwanis Club of that city by Theodore Swann, who was chairman of the committee that arranged the Alabama exhibit at the Southern Exposition. Referring to the \$5000 advertising prize of the MANUFACTURERS RECORD awarded to Alabama in connection with Mr. Swann's speech, the Age-Herald says:

"Some interesting 'inside' facts with reference to the prize-winning Alabama exhibit of the Southern Exposition at New York were told members of the Birmingham Kiwanis Club by their fellow-Kiwanian, Theodore Swann, who was in charge of the exhibit, at the regular weekly luncheon of the club at the Tutwiler Hotel ballroom.

"Mr. Swann especially stressed the point that the Exposition had done much to eradicate many wrong impressions held in the East with reference to Alabama and Alabamians. He paid a special tribute to the fine exhibit of the health work made possible by the co-operation of Dr. W. S. Welch, state health officer, and also the fine showing of the educational department, especially that of the Birmingham High School.

"It was shown there that Birmingham ranks third in the matter of literary productions paid for by publishers," said Mr. Swann, "and it was especially noteworthy that the exhibit especially stressed the health, educational and literary side of our citizens. But Alabama more than any other Southern state was able to show diversification, which fact was chiefly responsible for the winning of the prize, and the class of citizens which were present with the exhibit had also much to do with that result."

"Mr. Swann also pointed out the features of the various industrial exhibits, and praised the generosity of Birmingham citizens and corporations who aided in defraying the expenses of the exhibit and made it possible."

\$1,000,000,000 ANNUALLY SPENT IN RACE-TRACK GAMBLING.

THROUGHOUT the entire country there seems to be a determined effort to increase the development of race-track gambling. It would be far better for the country if in place of this gambling activity there should be developed state lotteries such as the Louisiana Lottery of old. With all of its tremendous curse upon the country, the Louisiana Lottery was angelic in comparison with the race-track gambling of the present day.

We have repeatedly called attention to the fact that the pari-mutuel gambling machines of the race tracks in Maryland show that over \$50,000,000 are annually spent in this way, without counting the millions spent in private gambling based on these races.

An interesting article in a recent issue of the Baltimore Sun estimates that the amount of this race-track gambling for the entire country annually exceeds \$1,000,000,000. Vast as is this sum, measured from the material standpoint, it is infinitesimally small as compared with that still greater loss represented by lost character, ruined lives, defalcations, suicides, immorality and all the other curses which follow the race-track gambling business.

TRIBUTE TO THE MEN WHO FOUGHT FOR PRINCIPLE.

NO feature more appropriate to the observance of the nation's birthday, July 4, well could have been devised in this Year of Grace than the distribution of memorial half-dollars minted by the United States as a tribute to the "Valor of the Soldiers of the South," this distribution to commence July 3. Already, descendants of men who wore the Gray are apportioning the coins, of which 2,300,000 have been allocated to the states which formed the Confederacy, while 500,000 have been set aside for sale through Northern banks.

This coin is not a tribute of the North to the South of 1925; it is a memorial from a country which now knows no North and no South—the whole, united nation—to the heroes of 1861. It shows recognition by the present generations of the fact that the men of the old South did not fight for dissolution of the Union, but solely for a principle—the principle of states' rights—in which, unfortunately, the establishment of the Confederacy was a resultant incident. The man who fights for his principles enjoys the respect of all the world; this coin is a token of respect for the men who fought for their principle.

Disapproval of the principle for which they fought was accepted by the men of the South. In general, they held firmly to their belief in their principle, but they yielded to majority rule. In the war with Spain, the men of the South, many of whom had claimed citizenship in the Confederacy, fought with loyalty and valor under the Stars and Stripes, led, indeed, by a beloved general of their "Lost Cause." Mason and Dixon's line was obliterated in the enlistment of American troops in the great World War. Sectional hard feeling still exists in mighty few Northern or Southern breasts, if any.

Notified by Governor Clifford M. Walker of Georgia of the proposed distribution, the editor of the MANUFACTURERS RECORD, in reply said, in part, of the Stone Mountain Memorial, which the sale of these coins will finance:

"This Memorial will be one of the great wonders of the world. It will be an enduring monument so long as earth stands to the valor of the men who sacrificed all for a conviction that they were fighting for the things which they believed to be right. As General Lee and General Jackson and the other mighty leaders in that gigantic struggle are now recognized as exponents of highest type of American citizenship, so are the Confederate soldiers who for four long years, footsore and weary, were willing to die in behalf of their convictions. It is well that a nation pays tribute to valor and honor and patriotism of that kind.

"Every Southern man now recognizes that Divine Providence, which has led our nation through all the past, ordained that the South should not be victorious on the battlefield, and rejoices in a united country with an allegiance to Old Glory unsurpassed by the people of any other section of our land. These men were American soldiers. Their descendants have ever since given proof of their undying love for our country and their readiness to die in its defense. The Stone Mountain Memorial will herald forth through all the ages the character of men who fought the battles of 1861-65, and the study of their characters will quicken the energy and the patriotism of every man and every woman who gazes upon the superb monument to their honor and integrity.

"Surely, every man and woman in the South who would pay tribute to these men, and who would teach their children to imitate their character, will rejoice in the privilege of owning the coins which have been minted and which should forever be held as memorials of the most priceless kind. But wider than the South is the story which these coins are intended to represent. Their influence should be nation-wide. With eager hands, they should be grasped by the people of other sections, who in this way could express their appreciation of the South and its supreme importance to the life of our country. I cannot imagine that there is a man or woman in the South who would not seek to be the possessor of one of these coins, nor can I imagine that there are patriotic men and women in other parts of our land who

will not likewise gladly join in erecting a memorial not to the so-called 'Lost Cause,' but to the honor of brave Americans whose character has forever honored American Citizenship."

The proceeds from the sale of these coins are to be devoted to completion of the Stone Mountain Memorial to the men of the Confederacy—a visual expression of the respect and admiration of all American men and women to brave men who fought and died for Principle. Banks in 12 states have taken in excess of \$1,000,000 in these coins. A Virginia insurance company has purchased a supply at a premium of \$1 each and is distributing them to all its policyholders. The issue meets unanimous approval throughout the land.

The true valor of the men of the South did not rest alone in bravery on the field of battle—it was that far higher valor which treasures a Principle with such conscientious faith that it will fight for it against all odds to the end. That is the valor to which all America, North and South, pays tribute—a valor equaled, in this instance, by physical bravery never excelled in the history of the world.

WOULD THAT THIS COMMENDATION WERE DESERVED!

GUY M. WALKER, a prominent lawyer of New York, in a remarkable letter of enthusiastic commendation of the position taken by the MANUFACTURERS RECORD in a recent editorial replying to Worth M. Tippy of the Federal Council of Churches endorses to the fullest, based on his personal knowledge, everything we said in that article, and much more.

Continuing his letter, Mr. Walker emphasizes the work of the MANUFACTURERS RECORD in such a way that modesty almost compels us not to publish his statements, but by reason of his commendation of what this paper is trying to do for the benefit of American ideals we trust our readers will forgive us for quoting from Mr. Walker's letter the following statements:

"I am familiar with the press and the current literature of the English-speaking world, and I do not hesitate to say that you are publishing the most extraordinary magazine and doing the most monumental work for the good of the American people, and through them the world at large, of any man living. May your life be prolonged to continue the influence of the MANUFACTURERS RECORD! I only wish you would omit the word SOUTH from your title page. You call it the MANUFACTURERS RECORD—exponent of America—which is certainly what it is)—devoted to the upbuilding of the nation; but stop there, for the MANUFACTURERS RECORD is covering too wide a field for you to limit it by the following phrases: development of the South and Southwest; cut that out and add a phrase as follows: AND THE PRESERVATION OF AMERICAN IDEALS.

"I have for years preached that our American people and our American Government can do the most good for the whole world by preserving our independence and our aloofness from all the rest of the world, and advancing our own America to the highest possible stage of development and civilization which we are able to attain. For the rest of the world, moved by self-interest, envious of our prosperity and greatness, will imitate us and strive to copy those things with us that most contribute to our prosperity and greatness."

As a man of world-wide knowledge, long identified with great financial and business interests in this and other lands, Mr. Walker's commendation of the work of this paper and his statement in regard to the doctrine that he has for years preached to the American people justifies us in giving to our readers the views which he has so strongly expressed.

SECRETARY MELLON WISELY ABANDONS HIS OPPOSITION TO TAX EXEMPT SECURITIES.

SECRETARY MELLON has very wisely abandoned the effort to secure an amendment to the Constitution prohibiting the issuing of tax-exempt securities by municipalities and by states. The movement never had any foundation based on real merit. It was a scheme largely worked up by those who are interested in selling securities of other kinds and who claim that tax-exempt securities lessen their ability to sell public-service securities. The movement was false and the arguments advanced against tax-exempt securities were likewise false. We were surprised that Mr. Mellon did not see the unwisdom of such a plan.

Approval by Congress of an amendment to the Constitution to deprive states and municipalities of the right to sell tax-exempt securities would have been one more deadly blow to states' rights. If such a scheme could have been carried out, it would have added to the cost of every public improvement made, every highway built and every school building constructed, without accomplishing the desired results.

Secretary Mellon has now abandoned his advocacy of that unwise measure and now wisely seeks to reduce surtaxes to such a point as to meet his former arguments against tax-exempt securities. With this position we heartily agree. From the beginning of the campaign against tax-exempt securities the MANUFACTURERS RECORD has unceasingly opposed that movement, and we are glad to see that Mr. Mellon and some other leaders in the movement are now abandoning the project.

The situation is interestingly discussed in the financial circular of Nelson, Cook & Co., Baltimore bankers, who, in referring to the remarkable activity in public-utility securities, make the following comments in regard to tax-exempt securities:

"A few years ago we witnessed a remarkable campaign to restrict the issuance of tax-free municipal securities. It was claimed, and many coincided with the view, that the heavy issuance of municipal bonds with their tax-free features, absorbed available capital and prevented same from going into public utility and industrial issues. At that time we wrote that we regarded this false theory as propaganda instigated by the pique of some who had industrial and public-utility issues to sell and who found their supposed market hampered by the investor's preference for municipals. How false that theory was is now clear, but many nationally known financiers and some self-styled economists fell into the trap of this propaganda and lent themselves to it. Now, it is easy to observe that it was safety of principal and investment yield which attracted rather than tax exemption, and that once convinced of the stability of the public utility issue there were abundant funds available for such purposes.

"The recent announcement of the Secretary of the Treasury that the Treasury Department has abandoned its previous attempts to interfere with the income tax-free prerogatives of municipal bonds of past or future issues should close a discussion which did not ring true and had not the merit of fact. Security markets are always sure to find their true level. Prices for municipal bonds continue to keep vigorously ahead of every other class of investment security and, as always, still lead all other classes of securities in public favor. There are always those who demand the best. We cannot stifle quality nor can we materially influence fashion in securities. Propaganda cannot dictate style in investment any more than dressmakers could get women to return to long skirts. The municipal bond is the aristocrat of the security world. In our opinion it is a ridiculously false theory to figure for one instant that money invested in tax-free municipals is the same kind of money that would go into utility or industrial issues. We think the course of the bond market has definitely proven the correctness of our viewpoint."

SPREADING RED PROPAGANDA.

A GAIN the blood-stained hand of communism strikes at religion and at the Government and free institutions of the United States through American childhood, this time through children both living and yet unborn. The propaganda is disclosed in a news article in the New York Herald, in part as follows:

"There are millions of children who never should be brought into the world, the Rev. John Haynes Holmes declared in a sermon on 'Crimes Against Our Children,' preached in the Community Church, Park avenue and 34th street."

And not content with advocating the crime of birth-control, Reverend Holmes endorses the so-called Child Labor Amendment, which has been so enthusiastically turned down by numerous state legislatures; voices ultra-"liberal" ideas on the education of children and expresses his views on the "religious" training of the young—presuming that the birth-control proponents permit further development of the human race. In part, the Herald Tribune article continues:

"Another crime against children is child labor, Mr. Holmes charged, saying: 'The right of the child to be free to grow and play and learn, and develop his native powers of body and spirit is inalienable. Yet, we have hundreds of thousands of child laborers in this country, and an attempt to emancipate them by the one effective method of an amendment to the Constitution is now being defeated. With the sole exception of lynching, I know of no offense for which Americans should be so heartily ashamed as this. * * *

"Our business in education is not to force our ideas into our children, but to give these children the methods and the materials to form ideas of their own. In many departments of knowledge, notably those of history, economics, and even science, our schools are little better than deliberate conspiracies for the deception of our children."

"Referring to religion, Mr. Holmes declared that there were two crimes here—the crime of driving children to church, 'to cram their defenseless heads with false dogmas and superstitions,' and the crime of keeping children away from all religious influences whatsoever. There is a great body of moral and spiritual truth, as there is of scientific truth, upon which all good men, of whatsoever church or creed, are agreed, he declared, and this should be given to the children for their instruction and inspiration."

We shall not now argue with Mr. Holmes, but shall justify our assertion that his doctrine is Communist propaganda.

In "Who's Who," Mr. Holmes is described as a Harvard graduate, "ordained and installed as minister Third Religious Soc. (Unitarian), Dorchester, Mass., March 2, 1904; pastor of the Church of the Messiah, New York (now called the Community Church of New York). * * * Director Civil Liberties Bureau; director American Union Against Militarism, 1917-19. Left Unitarianism and became independent, 1918." He is described as editor of "Unity" and assistant editor of "The World Tomorrow," and among the books of which he is author is "The Revolutionary Function of the Modern Church."

According to the late R. M. Whitney, an authority on communism in the United States and author of "Reds in America," Mr. Holmes is a member of the American Civil Liberties Union, the Committee of 48, Fellowship of Reconciliation, People's Legislative Service and Unity Fellowship. The aims, activities and personnel of virtually each one of these delectable organizations have been set forth in the MANUFACTURERS RECORD—they are active agencies of the Bolsheviks who are striving to instigate a bloody revolution in the United States against the Government of the Republic.

Of Holmes, himself, Whitney says, in part:

"Another conspicuous personality enrolled with the La Follette Council (Revolution) is the Rev. John Haynes Holmes of the Unity Fellowship, editor of 'Unity.' 'The World Significance of Mahatma Ghandi,' an article written by Dr. Holmes, published in 'Unity' and afterward reprinted as a pamphlet for distribution by the Friends of Freedom for

India, startled with its unusual statements; this is a sample:

"If I believed in 'the second coming,' as I do not, I should dare to assert that Ghandi was Jesus come back to earth."

"Dr. Holmes says he thinks this time marks the opening of a new period of Christian history. According to his ideas of social change, churches must be refashioned into a new type of spiritual machine—the socialized church, undenominational, public, free, social, democratic. By 'democratic' he interprets the word to mean:

"The private denominational church must become transformed into the public community church. The institution, like the ideal, must become socialized. Such a socialized church is the only kind of religious institution that can do the work of socialized religion in the present day."

"It was this same Dr. Holmes whose words, delivered just before the United States entered the World War, were repeated the next day and resulted in the imprisonment for disloyalty of those who repeated them. His work was also used by the Germans during the war as propaganda with which to try to induce American soldiers in the trenches to turn traitors to their country."

In another place Whitney speaks of "Rev. John Haynes Holmes, whose anti-American activities during the European war were so pronounced that his New York church had to be watched by officers of the Government, and whose writings were used by the Germans as propaganda with which they sought to break down the morale of the Allied soldiers," and adds that at the meeting to organize the Intercollegiate Liberal League, "in which the Communists were interested," Holmes "urged the students 'to identify themselves with the labor world and there to martyr themselves by preaching the gospel of free souls and love as the rule of life.'" Further, says Whitney:

"He predicted a revolution, and said: 'If you want to be on the side of fundamental right, you have got to line up on the side of labor.'"

Such is the man, as pictured by Mr. Whitney, who is spreading the doctrine of birth-control, radical methods of "education" and a scheme of "religion" which in time might well develop into the atheism of Russia and the "war against God," in which even the children of that country have been enlisted.

So completely and convincingly has the nature of the various organizations with which Holmes is affiliated been described by the MANUFACTURERS RECORD that it seems unnecessary to go into that phase of Holmes' connections. Just one repetition, however, may be permitted. Says Whitney:

"The American Civil Liberties Union is definitely linked with communism through the system of interlocking directorates so successfully used by the Communist party of America in penetrating into every possible organization with a view to getting control, so that when the time comes for the great general strike which, they believe and hope, will lead to the overthrow of the United States Government by violence, they will already have these bodies definitely aligned with them. * * * A survey of the national committee of this Union shows at once that practically the entire membership is made up of radicals of one stripe or another. * * * A summary of the Lusk Committee report says: 'The American Civil Liberties Union, in the last analysis, is a supporter of all subversive movements and its propaganda is detrimental to the interests of the State. It attempts not only to protect crime, but also to encourage attacks upon our institutions in every form.'"

As to the Committee of 48, in which Whitney avers Holmes is enrolled, Whitney says: "The platform of the Committee of 48 asserts: 'Our purpose is the abolition of privilege.'" and among its aims are "public control of natural resources and public ownership of railroads."

A man is known by the company he keeps. Holmes' membership in the organizations mentioned, and his consequent association with such Reds as W. Z. Foster, Eugene Debs, Miss Jane Addams, at one time a business partner of the bloody-handed Lenin; Florence Kelley (Wischniewetsky), and so on, should debar him from a hearing by any patriotic—by any intelligent—God-fearing man, woman or child.

A FALSE ECONOMY THAT LEADS TO RUIN.

A STRIKING illustration of unwise supposed economy "which tendeth to poverty" by the National Government is illustrated in a letter received in regard to some investigations which were made at Camp Eustis in Virginia.

The writer of the letter went to Camp Eustis to make a study of it with a view to placing his son there, but after a careful investigation decided that it would be a most undesirable place in which to build up the right kind of character on the part of a young boy fitting himself for college. He writes:

"I spent a couple of hours last Saturday at Camp Eustis. The entire group of buildings is sadly in need of some good paint, not only for the preservation of the wood but to improve the morale and efficiency of the soldiers. I imagine there is a certain psychological influence about it. I think it is regarded in manufacturing and industrial circles that shipshape, well-ordered, well-conducted plants add to the efficiency of the workers and increase their good feeling and loyalty to the company. I imagine the soldier receives some mental impression from the ill repair or good repair of his surroundings and implements.

"My own impression in going over the grounds of Camp Eustis was distinctly unfavorable. While I had practically decided not to send my son to the Military Training Camp in July at Camp Eustis, on account of his personal opposition, after seeing the camp, I am fully decided that it is not the place for him, and I thoroughly approve of his wishes in the matter.

"It is hard to imagine how the morale of impressionable young men can be helped by the unfavorable conditions of the buildings. With thousands of soldiers at the fort with probably a lot of spare time, it seems incomprehensible that the Government will not buy enough paint, which the soldiers probably could put on the buildings, as a matter of economy. The destruction which is taking place in these buildings at present is downright extravagance and a waste of the people's money. I suppose these buildings were constructed with labor at about \$12 a day for the working man during the war. I am told the conditions at Camp Meade, Maryland, are worse even than at Camp Eustis."

Is it a matter of false economy by which the Government does not spend the money necessary to keep these frame buildings painted and in order, or is it because the Government is so completely dominated by labor unions that it would not dare permit its soldiers to paint the buildings and thus get practical experience in this kind of work and tidy up the place in which they are spending a part of their lives?

This is only one illustration of many in which a false sense of economy, through lack of judgment, is endangering the country. Economy is a wise thing when wisely used, but there is a false economy—and to a considerable extent it is being practiced today from Washington—"that tends to poverty." There is too much oversteering of this idea of enforced economy. Far better would it be for the good of the individual and the good of the country for the Administration to encourage large expenditures which are needed by individuals, by communities and by the Federal Government, and for which the money may be available. It is false economy that permits the individual home-owner or the Government owner of army camps to allow frame structures to rot away for lack of paint. This is waste to the extreme. If all the statements made about the destruction of our timber supply steadily decreasing were true—and some of them are exaggerated—the actual danger to the country in shortage of lumber for the future on this account would scarcely be greater than the loss through the rotting of wood which goes on all over the land by reason of unpainted buildings.

One cannot travel North or South without being amazed at the rapidity with which hundreds of thousands of dwelling houses in towns and cities and in the country are going to pieces for lack of paint. Recent trips on the two leading railroads between Baltimore and New York showed the writer a degree of slovenliness in thousands of tenement

houses, without paint and with fences rotting away, almost beyond comprehension. The South has been charged with not doing enough painting, and the charge is justified. There are thousands of dwellings and barns and other outbuildings in the South the lives of which could be lengthened for many years by proper painting. But the same conditions prevail to an alarming extent in the towns and in the larger cities of the East.

The Government is setting a bad example in permitting its frame buildings in its training camps to go to pieces for lack of paint. But paint is only one way in which a wise expenditure means permanent economy. The economy carried to the extent which it is now being preached never produces prosperity. It discourages investments. It discourages the purchase of needed supplies, accepting the idea that economy is a virtue in itself, whereas economy can become, and often is, a vice, destructive of character and of business alike.

We suggest that the Government set the example by cleaning up, and painting up, and putting in decent shape every training camp in the country, and thus stimulate owners of dwellings, whether occupied by themselves or rented, to paint up and clean up and put in shape every house which is now falling to pieces for the need of a few nails and with its woodwork rotting away for lack of paint.

HOW A MINISTER, UNKNOWN TO US, REGARDS THE MANUFACTURERS RECORD.

Dadeville-Camp Hill Field,
S. L. Williams, Pastor.

Dadeville, Ala., June 4.

Editor Manufacturers Record:

It is with sincere pleasure and appreciation that I hand you herewith my check to cover invoice for subscription to the MANUFACTURERS RECORD for next year. I read carefully each copy with much enjoyment and great profit. Any attempt to express my approval for the work you are doing would, from an unseen friend, seem almost like flattery. Yet it is true that I really believe your efforts are accomplishing good beyond all words.

It just happens that I have on my desk this morning three copies of the MANUFACTURERS RECORD, May 14, 21 and 28. How full of good things each is! Any comparison would be out of place. But I have enjoyed, and been helped by, "A Broad Discussion by Bankers and Others of Finance and Banking"; "Child Labor as Seen by One Who Has Had Experience," and several others. "No Education Trust," etc., is fine. In a word, I find something mighty good in every issue. I want especially to say that you encourage and sometimes thrill me with your articles on Prohibition, Law Enforcement, Child Labor questions, and so on and so on. May God bless every man who helps to make the MANUFACTURERS RECORD one of the sanest, cleanest and greatest magazines in the world!

S. L. WILLIAMS.

HELP SOUTHERN COLLEGE GRADUATES STAY IN SOUTH.

UNDER the title "Brains for Sale" the Mississippi Development Board is distributing a folder which appeals to business men of Mississippi to aid in keeping young men in Mississippi by giving them a job. The folder lists the 1925 graduates of the School of Business of the Mississippi Agricultural and Mechanical College who have completed a four-year course in general business administration and who are now looking for work. These graduates range in age from 20 to 27 years and have received a grounding in eco-

nomies, business finance, accounting and business law, with specialization in these and other business fields as the individuals chose.

The Mississippi Development Board laments the fact that a considerable number of men from this school have gone to other states, a number of this year's class going outside of Mississippi, while only a few have found work within the state. All Mississippi need do to retain this native talent, states the folder, is to see to it that its industries offer opportunities comparable with those of other states.

This sort of campaign which the Mississippi Development Board is carrying on is worthy of emulation by organizations in other states of the South. Southern young people who are graduating from schools and colleges should be given every opportunity to create for themselves a place in Southern business life. Too many of the South's young men in years past have gone outside of the South when the South needs its native sons to carry forward the fullest development of its resources. Southern young men, by inheritance and training, are better fitted than others to carry on for the land of their nativity. Remember that the youth of today will be the leaders of tomorrow.

THE OREGON SCHOOL LAW.

FORTUNATE for the country, indeed, was the decision of the Supreme Court against the Oregon law which aimed to break down all denominational schools and compel the attendance upon public schools of all children between the ages of 8 and 16. Though this law was passed on the alleged claim that it would be better for the country if all the children of the land were taught in public schools, it violated the principles of the Constitution and was contrary to the best interests of the country. However desirable may be public schools when wisely conducted, we believe that it should be the province and the privilege of every religious denomination to have its own schools for the training and the education of the children of its own people, whether they be Protestant schools or Catholic schools. Any attempt to deprive parents of the rights of deciding to what schools their children shall go usurps an authority to which no state has a right.

The Supreme Court in its decision said:

"The child is not the mere creature of the State. Those who nurture him and direct his destiny have the right, coupled with the high duty, to recognize and prepare him for additional obligations."

The Court also held it "to be entirely plain that this law unreasonably interferes with the liberty of parents and guardians to direct the upbringing and education of children under their control. * * * Rights guaranteed by the Constitution may not be abridged by legislation which has no reasonable relation to some purpose within the competency of the State."

In this case the Supreme Court rendered a decision which is of far-reaching importance. It means the safeguarding of the education of children against the dominant power of any class, and the right of the parents to have some control over their children.

AN INTERESTING PUBLICATION.

"A MERICA'S GREATEST DAM, Muscle Shoals, Alabama," is the title of a very attractively printed pamphlet issued by William Benjamin West, an engineer of New York, and published by Frank E. Cooper & Co., 253 Broadway, New York. This pamphlet, or book, is finely illustrated with photographs of the Wilson Dam in various stages of construction and of other things in connection with the whole Muscle Shoals proposition.

A GREAT FLORIDA UNIVERSITY.

THE proposed establishment of a \$15,000,000 university at Coral Gables, Miami, Florida, to be known as the Miami University, is the most important educational event in the South for many years, with the exception of the gift of \$40,000,000 to North and South Carolina colleges and universities and hospitals by J. B. Duke.

To this Miami University George E. Merrick of Coral Gables subscribes \$5,000,000 and gives a site of 160 acres, pronounced by the trustees as the most attractive and available site to be found in that section. With this magnificent start, there will probably be no difficulty in raising the balance of the money needed for the full \$15,000,000 scheme.

It is a magnificent, daring undertaking, worthy of that marvelous spirit of co-operation and constructive upbuilding which has made the whole Miami section one of the marvels of these latter days. The men identified with this institution, in addition to Mr. Merrick through his magnificent gift, are among the foremost leaders in that section of country.

The ultimate plan of the university, according to a special dispatch to the MANUFACTURERS RECORD published in this issue, includes the construction of 20 buildings and of 150 recitation halls. It is proposed that this university shall become a center of art and science, as well as of general university work. It is to be non-sectarian and coeducational, and the projectors of it are anticipating having as many as 5000 students when the university opens in the fall of 1926. If men adequately equipped to organize and manage such a great institution are selected, the Miami University can soon be made to rank as one of the foremost centers of education in this country, for it is quite certain that with the magnificent financial start which it has made other men of vast wealth interested in the Miami section, or who spend their winters there, will continue to add to its endowment.

NOT A BAR TO PROGRESS, BUT A PROMOTER OF COMMERCE.

COMMENTING on President Coolidge's appointment of former Senator McCumber to the International Boundary Commission, the Baltimore Sun said:

"The joint sponsor for the Fordney-McCumber tariff, one of the most effective barriers to international trade that can be imagined, is thus continued in the boundary business."

When will free-trade sponsors get down to solid facts? Our protective tariff is not a bar to progress in international trade, but it is a buttress of defense against forces which would wreck our own industries, cut down our scale of living and lessen our chances for securing employment. If the Baltimore Sun had taken a little time to look up the great increase in the foreign trade of the United States compared with pre-war years, perhaps its free-trade viewpoint that a protective tariff restricts international commerce would have received a jolt.

It is difficult to imagine how anyone can make the statement that the Fordney-McCumber tariff bill is "one of the most effective barriers to international trade that can be imagined" in the light of the fact that the country's foreign trade is now about double what it was before the world war.

In 1914 we exported \$2,364,000,000 worth of merchandise and imported \$1,893,000,000 worth from abroad.

Last year the value of our exports amounted to \$4,590,000,000 and imports to \$3,610,000,000, and both are increasing, for during the first ten months of the present fiscal year our exports showed an increase of over half a billion dollars compared with the corresponding ten months of the previous fiscal year, while imports increased during this period by \$197,000,000.

International Intrigue for Moroccan Iron.

By COURTENAY DE KALB.

To seek the beginnings of the Moroccan question is to search deep into the archives of the past. Morocco has been the toy of imperial diplomats for ages. It was the Mauretania of the Romans, a wild land, yielding timber and raw materials of many sorts. Rome left it stripped of its forests and impoverished. Unlike the Iberian Peninsula north of the Strait of Gibraltar, it was not rich in silver and gold and copper. Its great deposits of iron were then unutilized; there were nearer sources of iron available to Rome.

On the heels of the tottering Roman Empire came the Arab invasion in the very century in which the Prophet of Islam first inspired the hordes of the Levant. In less than another century Roderic, the Visigothic King of Spain, having literally beaten his swords into ploughshares, his country lay at the mercy of the Moorish adventurer, Tarik ibn Ziad, who swept across the narrow channel between the Pillars of Hercules with a Moslem army that carried the standards of Mohammed beyond the Pyrenees. The northward advance of the Saracens was stopped by the chastisement delivered by Charles Martel at Poitiers in the year 732.

Then followed the long period of Moslem supremacy in Spain, gradually weakened by the tenacious struggle of the Christians, terminating in the drama of the Alhambra in 1492, when Boabdil el Chico, his courtiers and his knights, were thrust back into Morocco. This victory was speedily followed by the conquering arms of Ferdinand and Isabella, whose great captain, the Duke of Medina Sidonia, captured the Moorish fortified rock of Melilla in 1496. Soon after the famous Cardinal Ximenes, who played so notable a part in the consolidation of the Spanish kingdom, personally led the attack upon Orán that gave to Spain another foothold in the country of the Moorish "infidel."

The idea was firmly fixed in the mind of Isabella that the protection of Spain required her to hold a chain of fortifications along the Moroccan coast. By virtue of this policy Spain actually came to possess a series of fortified positions all the way from Orán and Melilla in the east to Ceuta, the town opposite Gibraltar, in the west. Out of this has grown a modern romance of diplomatic intrigue.

The Pillars of Hercules have figured in international broils from the remotest times. Greece disputed the right to passage through this gateway to the Atlantic at an epoch so early as to lie close to the uncertain dawn of maritime adventure celebrated in the traditional voyage of the Argonauts. Certain it is, as revealed by the recent researches of A. Schulten, that the Greeks maintained extensive commerce with the ancient city of Tartessus, now being excavated at the mouth of the river Guadalquivir, near Sanlúcar de Barrameda la Mayor, by an archaeological commission. The Phoenicians then were pressing hard upon the Greeks for mastery in the virgin peninsula that now is Spain, lured by its silver and gold. They succeeded in establishing themselves in possession of the Pillars of Hercules, thereby controlling the narrow strait. They held it so effectually that the Greeks were obliged to open a roadway for their commerce from Vélez Málaga, on the south coast near the modern city of Málaga, across the rugged Serranía de Ronda, to the ancient mart of Tartessus. That led to Punic reprisals that closed the road and ejected the Greeks from the southern coast of Spain. The Punic struggle for possession of the Peninsula

did not end until Hannibal initiated the Second Punic War by throwing down the gauntlet to Rome through besieging her ally, the ancient Greek colony of Zacynthus, dominated by the citadel of Saguntum, the story of which is brilliantly told in Blasco Ibáñez's historical novel of "Sónnica."

After this decisive war there was none to dispute Rome's control of the famous Strait of Gibraltar, or Calpe as it was anciently called. Spain, being naturally divided in interest through the residual tribal groups springing from the countless invasions that constitute her early history, never developed into a self-conscious people until after Ferdinand and Isabella had effected a consolidation of the mixed races into a single nation. Therefore, no conception of a broad national policy were possible during the period of occupation of Morocco by the Mohammedans capable of leading to concerted action to drive them back. Even Visigothic hordes, sweeping across the Strait into northern Africa, merely added new elements of turbulent fighting blood by fusion into a race known as the Berbers.

The Spaniards, after the fall of Granada, occupied with the newly discovered Americas, and winning imperialistic laurels in the Italian campaigns, were content with the stalemate drawn between them and the weakened Moors, that seemed to end the menace of Moslem return.

Through succeeding centuries occasional minor hostilities occurred, resulting finally in the cession to Spain, by the treaty of Wad Ras in 1880, of a large territory in what now is the Rif coast. Notwithstanding this opportunity for colonization, Spain retained but one deep and abiding interest in Morocco, which was simply to hold the north African coast against any possibility of another invasion by the Moors.

For decades England had been cultivating relations with the Sultan of Morocco, maintaining a non-official resident at Fez, Sir Harry MacLean, who became a controlling influence in the Moroccan government. Thus, far back of the region in which Spain exerted influence, existed a political condition that might on occasion serve to bolster pretensions to British control, in name as well as in fact. Consequently, when England felt that the time had come for her to dominate Egypt, unembarrassed by French treaty rights, she had something to deliver when she offered France a free hand in Morocco in exchange for a like concession from France to England in the land of the Pharaohs. This was definitely arranged in a treaty signed on April 8, 1904. It recognized Spain to the extent of declaring that nothing in the convention should impair any Spanish rights in northern Morocco. These rights were indefinite. Spain had long administered, as part of her own soil, certain fortified positions on the Rif coast, such as Melilla, Alhucemas, Ceuta and others, including small areas surrounding them, and she had recent rights of possession under the treaty of Wad Ras, which she had not followed by actual occupation. It was because of this entry of England and France into the Moroccan situation that Spain was forced to assert her rights more clearly. Before she had recovered from the shock given by this sudden appearance of France as an accredited exploiter of Morocco, advances were made by the Governments of both England and France to invite her to co-operate in forming an international treaty that should determine the rights of all parties.

It is doubtful whether this step would have been taken except for German intervention in Moroccan affairs. In March, 1905, the Kaiser suddenly arrived at Tangier. He announced unequivocally his determination to protect German

interests in Morocco. A German embassy was despatched to Fez, after which the Sultan rejected the French proposals under her agreement with England. The hurry arising out of this resulted in the downfall of Delcassé, shortly after which the call for an international conference was issued. From this grew the famous Treaty of Algeciras, of 1906, to which all the leading Powers, including the United States and Germany, became signatories. It was a rather ambiguous agreement, as to many particulars. Frank avowal of purpose would have disturbed the harmony of the European concert. The outcome was a crystallization of Spain's interest into a mandate for policing the northern strip, known as the Rif, bordering the Mediterranean and fronting the Atlantic for a short distance. The Atlantic coast line was interrupted by a reservation surrounding and including Tangier, which was "internationalized," becoming thereby a fertile source of misunderstanding between the Powers, and a cause of great difficulty to Spain in recent years by restricting her liberty of administration for control of the rebellious Rif tribesmen.

South of the Atlas range the remainder of Morocco, representing about 95 per cent of the total 219,000 square miles of territory under the nominal sovereignty of the Sultan was constituted a French Protectorate. The Spanish zone, likewise nominally owing fealty to the Sultan, and administered in his name, was the troublesome part of the country. The tribes living in the mountains along the deeply indented northern coast always had been noted for their independent spirit and their predatory habits. They had practiced piracy for centuries. They refused to recognize the authority of the Sultan, save when they needed help in their intertribal wars. By such slender and fragile threads were these people attached to the Throne at Fez. It was this unruly territory that fell to the lot of Spain to administer under a mandate that gave her at once dignity and dangerous responsibility.

The problem of France was relatively easy in subduing her Protectorate. The people south of the Atlas were more tractable. Spain tried numerous devices for pacific administration. Every attempt at concessions for self-government offered the Riflians led only to renewed intrigue and fresh outbreaks, because unity of purpose and harmony of action among the several clans was unattainable. There existed a state of perpetual border warfare, not unlike the struggle between the United States and the Indians on our Western frontiers, still vividly remembered by thousands of people.

It was not deemed essential to maintain a great army at the front. In effect there was no "front." There were "posts," such as we held against the Sioux and Apaches, with no completely defended line of communications, because sporadic outbreaks usually soon could be overcome. Spanish administration had resulted in giving northern Morocco a better market than had existed previously, and the culture of grains and cattle began to expand. Still the exports were mainly hides, tallow, wool, honey, beeswax and a few natural products of a frontier country. Now and then tribal raids occurred, developing into little wars of some magnitude. The struggle with El Rhoguf in 1909 was one example. Twice there were uprisings of El Raisuni, the great chieftain with royal pretensions drawn legitimately from his direct descent from Mohammed. The last of these campaigns ended in the capture of the clever leader and the occupation of Xauen, the sacred city, situated in a nidus of mountains south-southeast of Tetuán. It was the first time in history that foreigners had penetrated the secrets of this holy shrine. It came near precipitating a religious war when the Spaniards captured it. Moreover, it was difficult to hold because of the long tortuous defiles that led to it. Trying to hold it almost caused a catastrophe for Spanish arms later on.

In July, 1921, came the sudden uprising of Abd-el-Krim,

head of the numerous tribe of the Beni Urriaguel, with 7000 warriors, allied with many other tribes estimated to be able to place in the field a total of 35,000 men. This clever chieftain speaks several modern languages, has received a university engineering education, and during the World War was the accredited agent of Germany in Morocco. Prior to that was he had maintained cordial relations with the house of Mannesmann of Hamburg, whose representatives had located mining claims in the lands of the Beni Urriaguel, covering deposits of iron ore supposed to rival the great deposit of Monte Uixán outside of Melilla. At that time the Spanish troops holding the positions toward the west in the direction of the Beni Urriaguel numbered 4054, scattered along a line thirty-five miles in extent. The tribes in front of them professed friendship, and were supposed to be loyal to Spain, as a large number of Rif clans have been for many years. Without warning, these tribes taking advantage of the confidence of the Spaniards, rose against them, strongly supported by reinforcements. The surprise was overwhelming. The feeble garrisons were annihilated, including the heroic Gen. Manuel F. Silvestre. It must be recorded, however, that General Silvestre had been begging the Minister of War at Madrid for reinforcements and supplies. The Cabinet had grown callous to the dawdling hostilities in Morocco and could not seriously believe in a critical situation that demanded relief.

The disillusionment came too late to check what has developed into a contest endangering the politics of all Europe. The Moors, in overpowering numbers, almost reached the gates of Melilla. The entire Spanish Army in Morocco at the moment consisted of no more than 16,000 men, distributed largely throughout the chain of fortresses along the coast. Therefore, with a Moorish Army of certainly 30,000 against probably 12,000 Spaniards in the field, the early successes of Abd-el-Krim were easy. Nevertheless, within thirty days the mountain ranges of Gurugú and Monte Uixán, south of Melilla, had been cleared of the enemy and operations were shifting back toward the valley of the Kert.

These first clashes with the Moors led to a surprising discovery. It was found that they were equipped principally with French arms. This at once produced strained relations between Madrid and the Quai d'Orsay. Popular feeling ran high, and only the production of satisfactory evidence that these arms consisted of equipment captured by the Germans and not turned in after the war, and subsequently smuggled to the former German agent, Abd-el-Krim, now leader of the revolted Rif tribes, preserved friendly relations between France and Spain. It was also discovered that certain Bulgarians who had enlisted as soldiers of fortune in the Spanish Army had deserted to Abd-el-Krim. At the same time large sums of money, such as never could have been derived from the trifling commerce in hides, goatskins, beeswax and similar crude merchandise, were being spent by the agents of the chieftain of the Beni Urriaguel in various parts of Europe.

In Spain the laboring people, who had been in a state of ferment produced by the machinations, first of the Germans during the war to interfere with the manufacture of goods for the Allies, and encouraged later by emissaries of the Soviets, kept the country in an uproar, with threats of revolution. They were joined by many unthinking Spaniards whose spirit of separatism overcame their understanding of the need of unity in a struggle that clearly was not merely with Morocco but with mutually jealous European Powers. To these were added the "pacifists," cultivated by German elements as well as by the Russians, who opposed war regardless of all considerations of national security.

It became increasingly difficult for the Government to meet its administrative responsibilities under such pressure

and support the operations in Morocco. Accordingly, frequent minor battles were lost for lack of men and munitions. After each disaster a howl of injured patriotism went up from the people, and the Ministry had to sacrifice some general or high commissioner to appease the wounded national feelings. The "Red radicals" were those who made the greatest display of patriotic sensibility at these times of trial. One Ministry after another fell, and the attempt to harmonize conflicting parties, a coalition of several of which groups was necessary to formulate a Cabinet, meant that the Cabinet when formed could not function. The alternative that threatened was political chaos. At this juncture Gen. Primo de Rivera proclaimed the Military Directorate. The merits of this temporary resort to a dictatorship need not be discussed. Suffice it to say, in the words of Spain's masterful philosopher, José Ortega y Gasset: "It had to be done sooner or later by somebody, else there soon would have been no Spain." It saved Spain. It stopped the radical propaganda. Industry went forward again. A renewed sense of courage and confidence arose. Exchange improved at once, and Spanish securities rose on the European bourses. Men were recruited and sent to the Moroccan front.

Meanwhile the revolted tribes were being pushed westward from Melilla, but the Moors harassed the lines of the Spaniards leading up to Xauén. It lay sheltered in the heart of a nest of rugged mountains and possessed no strategic value whatever. The Moors could penetrate it with their light mobile guerrilla forces, or could ride around it with impunity on the southern skirts of the mountains, entirely out of reach of the troops bottled up in those fastnesses. Many marveled that Gen. Primo de Rivera did not evacuate so useless and dangerous a position. It required nearly the half of his army to hold Xauén. It appears to have been a matter of political expediency. Evacuation could with difficulty be explained to the lay mind so as to make clear its true military significance. Misconstrued as weakness and incompetence, it might lead to revolution at home. The time came when even that peril had to be faced. The order for withdrawal was given. The movement was executed in good order, but not without many casualties. It was misjudged both at home and abroad. The foreign press freely commented on the "defeat of Spain." It was many weeks before the wisdom of the movement was understood. As a result Rivera was enabled to draw a tight cordon along the north coast so as to stop the smuggling of arms and supplies from other Powers to Abd-el-Krim. Also, supplies were constantly being smuggled out of the internationalized city of Tangier, and when at length complaint by certain Powers was made to Spain because of the threats of the Moors, that district was immediately occupied by Spanish troops, and both the menace of the tribesmen and the smuggling of arms to the Moors in that quarter ceased promptly.

At this point Abd-el-Krim struck an attitude. He loftily demanded that Spain accept certain terms, involving recognition of the sovereignty of what he calls the "Republic of the Rif." Since Spain holds a mandate only, and is nominally the representative of the Sultan, Muley Yusef, at Fez, Spain could not have granted such terms even if she were in defeat. Abd-el-Krim had to resort to this bombast for home consumption. His prestige was destined to weaken as soon as it was discovered that he was without supplies. His sources of arms and ammunition through the north and west coasts were closed. As early as November, 1924, he began to plan a way out to the south, which meant a descent upon the French Protectorate. He sent a formal demand to France to recognize the southern limits of the Rif far below the line established in a supplementary treaty between France and Spain. It took time to carry his propaganda to the southern tribes and to secure fresh supplies and arms from that direction. Merchants of countries unfriendly to France, and estab-

lished in southern Moroccan ports, by their activities aroused the French to a realization of the danger. The French garrisons, caught in much the same position as the Spanish garrisons at the outbreak of the struggle in 1921, have barely managed to hold out until reinforced. Marshal Lyautey, the splendid and resourceful commander of French Morocco, called at the outset for 20,000 fresh troops, giving him about 35,000 men with whom to hold his territory and to meet the enemy. Immediately the Socialists in France began to badger the Government, creating differences of opinion to halt efficient action for meeting the situation energetically and promptly. The same forces at work to harass Spain in her struggle with Abd-el-Krim are again at work in the familiar way at Paris as soon as the scene of hostilities shifts south of the Atlas.

Back of this is a diplomatic situation, the outgrowth of industrial ambition, that must be held in mind in order to interpret the generally inaccurate and misleading dispatches concerning the Moroccan imbroglio that reach this country. England cannot permit any readjustment of political control that might place a powerful neighbor in possession of Ceuta, opposite Gibraltar. To hold the Strait of Gibraltar is still as important a piece of strategy in commercial imperialism as it was in the days when the Phoenicians occupied it against the Greeks. By recognizing Spain's indeterminate rights in Morocco, and having a mandate given her, England succeeded in interposing her as buffer between her own position at the Rock of Gibraltar and the French Protectorate beyond the Atlas. It has cost Spain untold millions, regretfully expended, and thousands of killed and maimed, to perform this unwelcome international office.

Spain never has had aspirations to control Morocco. She steadfastly has sought mere protection against any peril of invasion. Abd-el-Krim has claimed general consideration under the principle of self-determination. That automatically would give him control of the iron properties originally located by the Germans. He has been the German representative in Morocco, and it is natural to assume that he would incline toward Germany. It is reported that numerous German officers are in the Moorish chieftain's army. It is clear that England could not view complacently a close affiliation between Abd-el-Krim and Germans interested in industrial ventures close to her jealously guarded Pillars of Hercules. France equally would resent industrial entrenchment of Germany at any point in north Africa. English firms are said to have been offered the iron mines in the lands of the Beni Urriaguel, which is quite probable. It would be in keeping with the Oriental habit. D'Israeli has pictured the eternal prototype of the intriguing Arab prince in the character of Fakredeen in his novel, "Tancred." It is also to be remembered that it was at bottom the control of the great iron deposits of the Rif coast that inspired Germany in 1911 to send the gunboat Panther to Agadir, thereby nearly precipitating a general European conflict.

Although the United States, in the ratification of the Treaty of Algeciras, hedged as far as possible on becoming a party to a convention for settling the *status* of a nation without that nation's own consent or signature, it remains that we are involved in this muddled diplomatic enterprise for paying off debts that concern none of those that heretofore have suffered in consequence, and it follows that there are delicate matters likely to arise that we would prefer should remain hushed. Support to both France and Spain, with pressure to ensure cordial co-operation between them, untrammelled by other Powers, would certainly ease the tension, and would probably restrain developments that might necessitate a dangerous conference for readjustment of the relations of the Powers in the administration of Morocco and for the preservation of the *status quo* of military dominance over the Strait of Gibraltar.

Tung Oil Production—A New Industry for the South.

By J. N. McBRIDE, General Agricultural Agent, Seaboard Air Line Railway, Savannah, Ga.

A new product, tung oil, has appeared on the farming horizon in Florida and a new industry is in the process of development. "But what is tung oil?" you ask, "and where does it come from?" Tung oil is extracted from nuts borne on the tung, or Chinese wood oil tree. This oil has been produced for thousands of years in China and is used principally in the manufacture of paint and varnish. Tung oil gives to varnish a hard drying film, and when properly combined with other substances produces a "spar" varnish, claimed to be more satisfactory than "copal" varnish, which has always been considered the standard. Tung oil is also mixed with various substances to produce fireproofing and waterproofing materials, and is used in the manufacture of enamel, wall paint, linoleum and oilcloth.

At present the tung oil of commerce comes from China. In 1923 and 1924, according to figures recently published by the United States Department of Commerce, \$7,291,675 pounds and \$1,587,854 pounds, respectively, were imported into the United States. The Chinese production is carried on under antiquated methods resulting in a product of inferior

from seed secured in China by the United States Department of Agriculture, were planted in Florida, and from this beginning the present promoters caught their vision of supplying the American paint and varnish requirements. It was from trees growing on the Florida Agricultural Experiment Station grounds at Gainesville that B. F. Williamson, an enterprising citizen of that city, became interested in the possibility of this product. Mr. Williamson, Dr. Wilmon Newell, dean, and Prof. E. L. Lord, horticulturist, of the Agricultural College began to investigate and gather data. The Associa-



CROSS SECTION OF TUNG OIL NUT.

tion of American Paint and Varnish Manufacturers have become interested.

The American Tung Oil Company and the Alachua Tung Oil Company have organized with the stock of both companies largely owned by the principal paint manufacturers of this country. Mr. Williamson is manager of both companies. These concerns have planted and are bringing into production more than 1000 acres of tung oil trees in Alachua county, near Gainesville. Plans are on foot for the establishment of an oil mill for the extraction of oil as soon as these groves begin to produce. It is claimed by those most familiar with tung oil production that the territory around Gainesville is very similar, both in soil and climate, to the large producing areas in China. These trees will produce over a wide area in Florida and also in southeastern Georgia. Small experimental plantings have recently been made at Kingsland, Ga., by the Bertha Mineral Company of New York.

The tung oil tree requires sour soil and thrives best on well-drained land. The Florida Experiment Station distributed small lots of both seed and trees to landowners over that state in order that the adaptability of this tree to Florida conditions might be tested out over a wide scope of territory. The University of Florida has issued an Agricul-



A CLUSTER OF NUTS.

grade. Political disturbances, which occur quite frequently in China, have caused the price of this oil to fluctuate violently. Both conditions have limited the supply available for American use. Even under these exigencies it is estimated that we send to China annually over \$20,000,000 for tung oil.

This oil was first imported into the United States about 1869. The paint and varnish manufacturers did not begin to use it in large quantities, however, until about the beginning of the present century. In 1906 a few trees, produced



TUNG OIL GROVE PLANTED IN 1924.

tural Experiment Station Bulletin, No. 171, written by Dr. Newell. Mr. Williamson and Professor Lord are the authors of another attractive booklet. Both of the publications discuss the culture of tung oil trees in detail.

These bulletins recommend the planting of groves on well-drained land of acid reaction. Tung oil trees produce satis-

it must be remembered that tung oil is produced from the nut of a tree which requires planting but once in a lifetime, whereas practically all the other vegetable oils are derived from annual plants. Tung oil for this reason offers certain advantages in the way of production over other oil-producing crops. Cultivation and fertilization are simple. The nuts,



TUNG OIL NURSERY AT GAINESVILLE, FLA.

factorily on poor land, but do much better on fertile soil. Trees are usually set 12½ by 30 feet apart in the groves, and after a period of years every other tree throughout the grove is removed. Such a system gives large returns early and prevents crowding after full growth has been attained. Mr. Williamson has furnished the following data on yields and returns based on experiments and investigations carried on in Florida:

| | Fruits (unhulled) | Oil | Value per tree | Per acre |
|-------------------|----------------------|----------|-------------------|----------|
| Fifth year..... | 1 bushel | .7 gal. | \$.84 | \$97.44 |
| Sixth year..... | 2.2 bushels | 1.5 gal. | 1.80 | 208.80 |
| Seventh year..... | 2 bushels | 2.2 gal. | 2.64 | 306.24 |

A gallon of oil weighs eight pounds. The price used in the above table is based on the Hankow price, which has been about 15 cents a pound the past year. Acre estimates are made on a basis of trees set 12½ by 30 feet apart in the grove.

Dr. Newell in his bulletin is more conservative. He has based his calculations on a study of ten trees growing in a rather crowded space on the Experiment Station grounds at Gainesville. The residue, after the oil has been extracted from the nut, can be ground into meal, and compares favorably with cottonseed meal as fertilizer.

All estimates as to probable returns from tung oil have been made by studying the records of individual trees or groups of trees, as no large acreage is yet producing in Florida or elsewhere in the United States. However, the fact is that the investigational work has been carefully done by conservative men; that returns from tung oil compare most favorably and, in fact, in the majority of cases, exceed the returns from other oil-producing crops, and that the business executives of some of the largest paint and varnish manufacturers in the country have put up large amounts of money actually to produce tung oil commercially in Florida.

The men behind the production of tung oil are anxious to see the acreage increased. Mr. Williamson and his associates are encouraging the planting of small acreages around Gainesville by the average landholder. There is little expense in growing a few trees around the farm home or in connection with other crops. No one is advocating the planting of large acreages until more data is available. However,

borne several in one husk, mature in autumn, fall to the ground, where they will lie undisturbed by livestock or damaged by weather until the grower is ready to gather them for market. The husks are removed from the kernels before pressing.

The Development Department of the Seaboard Air Line has been investigating tung oil growing in Florida and in southeast Georgia. A number of experimental plantings have already been made at various places along its line. The market for tung oil in America is almost unlimited. Production costs are not high and there are vast areas in Florida which need just such a crop as this to stabilize agricultural practices. The gross returns per acre from tung oil groves will probably never be as high as those from other products now being produced on a large scale in Florida. But as a conservative steady source of income the production of tung oil has its appeal. Florida needs more of just such crops.

The position of importance which Florida today occupies is not alone due to its wonderful climate and responsive soils. These are fundamental advantages without which no section could ever develop. After all, it takes men of vision and with ability to see opportunity, and with means to grasp and possess that opportunity to build up the great enterprises of that great state. Mr. Williamson, Dr. Newell and others responsible for the introduction of the tung oil industry in Florida have done well both for the state and for the nation. May their tribe increase!

Tampa Church Will Erect \$500,000 Building.

R. H. Wester, Sunday-school superintendent of the First Methodist Church of Tampa, Fla., advises the MANUFACTURERS RECORD that his church plans to build a new downtown structure at a cost of \$500,000. The building will be located at Tyler and Florida streets, and it is proposed to erect at once the Sunday-school building and parsonage. These structures will cost approximately \$200,000. Frank D. Jackson, president of the Tampa Board of Trade, is president of the board of stewards of the First Methodist Church.

[In order that our readers who do not see the workings of the Communist party may study the doctrines that by word and picture are being preached to millions of people, blacks as well as whites, of every nationality in America, we reproduce the following "May Day Proclamation" from the "Daily Worker" of Chicago and on the following pages exact reproductions of the horrible pictures which were used to emphasize the teachings of that "proclamation." Comment seems almost superfluous.—Editor Manufacturers Record.]

From

DAILY WORKER

of Chicago.

MAY DAY PROCLAMATION

May Day, 1925, finds American imperialism rapidly becoming the dominant force in world affairs. Even Great Britain, once financially supreme, is negotiating a \$250,000,000 loan in Wall Street.

The Dawes plan has tied Germany to the House of Morgan and France is strangled by Morgan mortgages.

In every nook and corner of the capitalist world the agents of American imperialism are extending the rule of their masters.

In the Pacific the largest fleet of war ever assembled engages in war maneuvers preparatory to a tour of intimidation to the ports of the Far East. War is in the air.

As a symbol of what imperialism has in store for the workers, two private soldiers, Crouch and Trumbull, are sentenced to 40 and 26 years, respectively, in Hawaii. Their crime is that they formed a Communist League and expressed their solidarity with the workers and peasants of Russia.

In the United States the coal barons and textile capitalists are making war on the miners and textile workers. The coal barons have announced that they will not be bound by the agreement with the union; the textile kings are slashing the wages of their employees.

The Coolidge government is the instrument of the industrial lords.

Criminal syndicalism laws are on the statute books of 28 states. In Michigan, Idaho, Pennsylvania, Illinois, California and New York workers are jailed and indicted under criminal syndicalism and deportation laws. The persecution of the foreign-born workers continues, with an army of spies preying upon them. Hangings, burnings at the stake, beatings and denial of the few privileges extended to other citizens are the lot of the negro masses.

In Europe the murder regimes—the military governments supported by allied finance and bayonets—slaughter workers by the wholesale as in Bulgaria, Esthonia, Lithuania, Finland, Italy, Portugal and Spain.

In the colonial countries the masses groan under the oppressions of imperialism.

Everywhere rages the war on the working class except in the Union of Socialist Soviet Republics, where capitalism and the capitalists have been beaten and a workers' and farmers' government exists.

The Workers (Communist) party of America calls on the workers and exploited farmers of America to celebrate this May Day, the international mass holiday, in the spirit of Leninism—to organize for the fight against wage cuts, against any lowering of their living standard, against the robbery by the bankers and capitalists, against the persecution of revolutionary workers.

It calls upon the masses to fight the Dawes plan and its scheme of international slavery. To fight the white terror against the struggling workers and farmers of Europe, Africa and Asia. To fight against the enslavement of Mexico, the Philippines and Latin America to Wall Street. To fight for the release of Crouch and Trumbull.

To work for world trade union unity with the Russian and British workers.

To join the ranks of the millions of workers and farmers who are struggling for freedom from world capitalism under the leadership of the Communist International.

It urges the workers and farmers to join the Workers (Communist) party—the revolutionary section of the American working class.

Only through revolutionary struggle can capitalism be abolished and the slavery of the workers banished forever by the proletarian dictatorship.

Long live the union of the workers, farmers and colonial peoples!

Long live the workers' and farmers' government!

Long live the Communist International!

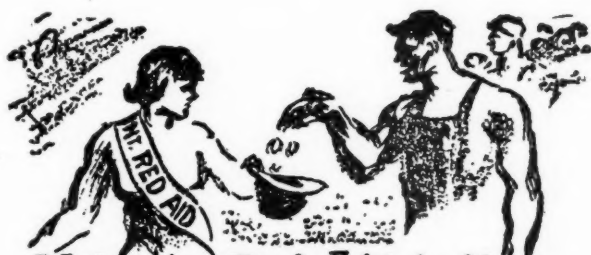
[Signed] Central Executive Committee, Workers (Communist) Party of America. National Executive Committee, Young Workers League of America.

[Reproduced from The Worker.]



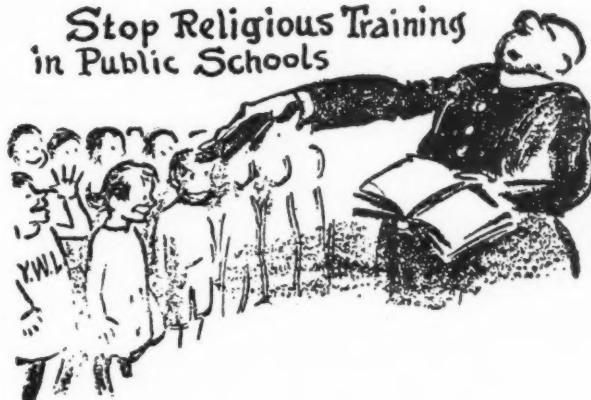
"Separate
we Lose —
Together We
Can Win"

Equality for
Negro
Workers



Help the Red Aid to Help
the Imprisoned
Fighters

Stop Religious Training
in Public Schools



Stop the Capitalist
Canibalism of
Child
Labor



Down with
Militarism
and Imperialist
Wars!



[Reproduced from The Worker.]

"United! Front!"
"For a Labor Party!"

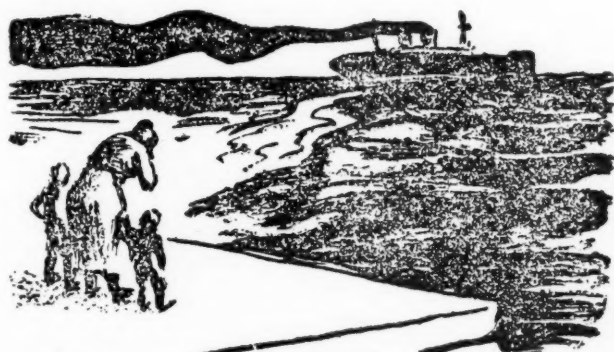


Make 'em
Recognize
Soviet Russia-

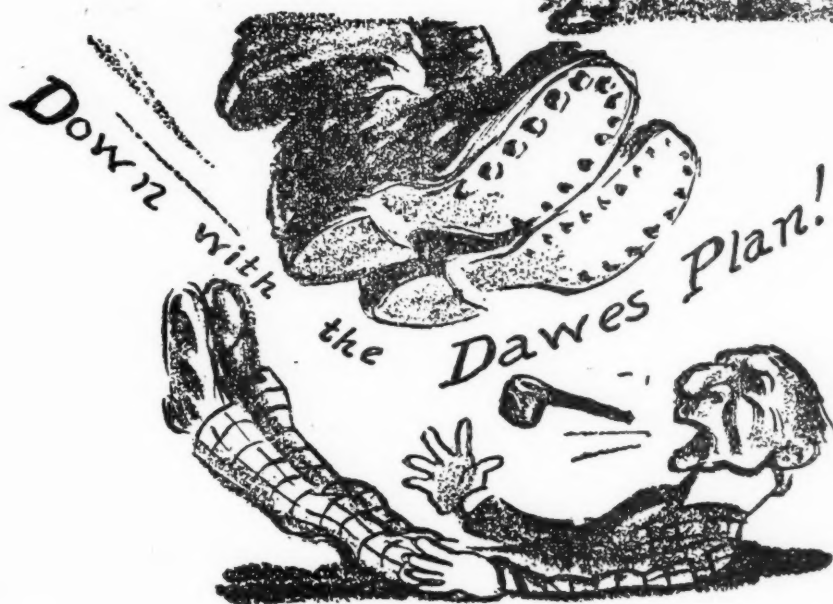
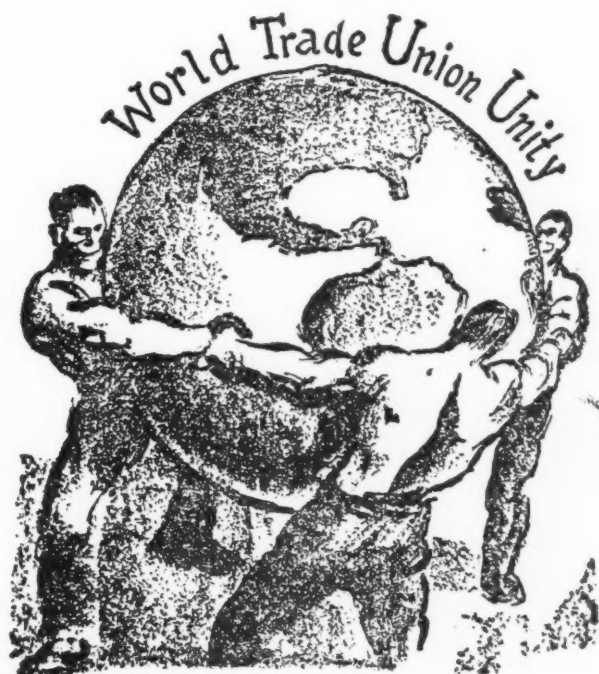


Release
the
Class-
War
Prisoners

[Reproduced from The Worker.]



Stop Persecution and Deportation of Foreign-Born Workers



\$1,500,000 Cotton Gin Machinery Plant at Birmingham.

NEW FOUR-UNIT FACTORY SOON TO BE COMPLETED AND PLACED IN OPERATION—WILL PRODUCE CRUDE-OIL ENGINES ALSO.

[Special Correspondence Manufacturers Record.]

Birmingham, Ala., June 6.

The \$1,500,000 plant of the Continental Gin Company, now in course of construction at Birmingham, will be completed in August. The plant has been designed, erected, laid out from the standpoint of production, and equipped through a single engineering organization, the H. K. Ferguson Company, engineers and builders, of Cleveland and New York. It will provide a total floor space of approximately 500,000 square feet.

The new plant is to consist of four major units, with nine buildings, including a foundry, machine shop, boiler house, assembly building, woodworking plant, warehouse, dry kilns, lumber storage and pattern shop.

The project will constitute an outstanding example for the Southern states of an industrial development which embodies beauty, utilization of all possible sunlight, the latest provisions for employees' welfare, permanency and simplicity of design, with production efficiency and maximum space utility, all at a cost declared to be no greater than would have been involved for the ordinary type of factory of equal size. Approximately one-half of the plant is now being used for production without loss of time or effort to the company or contractors, while the rest of the construction work and plant equipping is going forward.

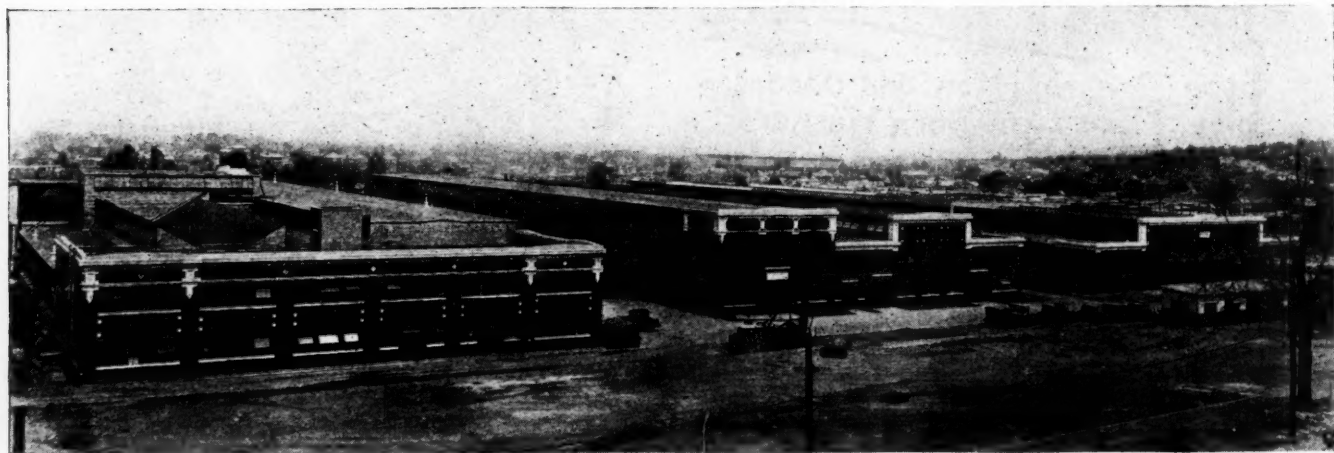
The decision of the Continental Gin Company to erect the

ture, is attached to the foundry, but protected by fire doors, and is 60 by 132 feet, with provision for a third story. This shop is completely equipped, and is entirely independent of the remainder of the plant.

The foundry is 132 by 340 feet, with a heavy casting bay served by a 10-ton crane. Two 54-inch cupolas are used alternately for the heats with a 42-inch cupola for the special iron required in gin ribs. These cupolas are served with a charging hoist to handle 2000 pounds from the scales at the yard entrance into the cupola.

Iron is stored between the switch and a concrete roadway to minimize handling. Molding and core sands are stored with the core compounds in concrete bins along the switch and connected with the foundry by covered concrete passageways. Two sand mixers are conveniently located. The core room occupies a space 60 by 80 feet in the foundry. There are two ovens of five drawers each on one firebox for small work, two rack type ovens 5 by 6 by 7 feet on one firebox, and four mold ovens. Two of the ovens are 7 feet wide and two 10 feet wide, 16 feet long and 8 feet high, with counter-balanced doors. Particular attention was paid to fuel economy in oven design, and as a result the coke breeze about the factory furnishes 75 per cent of the fuel.

Cleaning equipment consists of the latest type of mechanical lift, high pressure, room sand-blast, using steel shot and



GENERAL VIEW OF \$1,500,000 PLANT OF CONTINENTAL GIN CO., BIRMINGHAM.

Birmingham plant was predicated upon careful study over a period of years, of the most economical and desirable location from the standpoint of transportation, proximity to raw material and the markets for the finished product, and all the other elements which affect the balance sheet of industry generally.

This plant will handle the production which in the past has been provided through two plants here, and at the same time will take over some of the work which has been done in the Atlanta factory. Manufacturing in Atlanta is not to be discontinued, however. In addition to ginning machinery, the Continental line of crude-oil engines of the semi-Deisel type will be manufactured.

The pattern shop, a two-story reinforced concrete struc-

discharging the air through a cloth screen arrester back into the foundry, with no dust visible. Eight tumbling mills, 24 to 48 inches in diameter, both round and square, are connected in common with four double snagging wheels to a similar cloth arrester. The cleaning room partition runs to the ceiling. Castings are taken from the cleaning room by an electric lift truck and an industrial track to the machine shop. The foundry has a capacity of 40 tons per 10-hour day. High side walls with a liberal amount of top hung sash in the monitors provide light and ventilation. Heat is provided by seven direct-fired furnaces with fans.

The machine shop, 150 by 400 feet, is divided longitudinally into three bays for heavy, medium and light work. The heavy bay is equipped with a 5-ton crane to serve machine

tools and a 20-ton crane with 5-ton auxiliary hook to serve the erecting floor. The assembled engines are placed on a test stand, directly connected to a 150-kilowatt direct-current generator for running in. The current is put through a 300-kilowatt motor generator set and returned as alternating current to the main busses of the switchboard. With four test generators operating, 200 horsepower will be derived. Engine exhaust is expelled through a manifold which runs the length of the test block foundation beneath the floor, discharging through a stack to the atmosphere.

A two-stage air compressor supplies to six storage tanks air at 250 pounds pressure to start the engines. The air, water and fuel oil lines are carried in a grating-covered trench. A 22,000-gallon storage tank supplies the fuel oil.

Small parts for gin machinery and engines are produced in the medium bay, served by a three-ton crane. A tool room, 50 by 60 feet, centrally located, produces jigs and fixtures. The shop is served by a two-stage air compressor, located with a 200-kilowatt motor generator set for crane use. A separate blacksmith shop, 30 by 40 feet, with crane service, has been provided at the end of the machine shop.

The company uses 5,000,000 feet of pine annually. Kilns are provided for drying, and a lumber shed 80 by 150 feet is used for storage. The wood mill is 150 by 200 feet, and the layout has been so effected that three simultaneous lines of production can be run. The shavings are blown to the boilers, where they produce the steam to operate a 200-kilowatt engine-driven generator furnishing power to the mill. The exhaust steam is used to heat the kilns and part of the buildings during the winter.

The assembly building, housing the sheet metal and paint departments, has a steel frame with brick pilasters. The woodwork and castings for unit assembly meet here, resulting in a machine tested under power before it is delivered to the paint shop. The sheet-metal department, 50 by 200 feet, has sheet racks arranged along the aisle to fill from one side and take out at the other to the layout benches or machines. It discharges to the paint shop and is also connected by a bridge over which that part of its product which is not painted goes directly to the warehouse. The paint shop, 150 by 120 feet, is cut off from the balance of the building by a fire wall. Materials are handled from a battery of 13 underground tanks, which can be filled from either inside or outside of the building. A series of spray booths is provided. Finished materials are delivered across a 45-foot passageway to the crating department of the warehouse. Crating lumber is received dressed from the mill, but is ripped and cut in this department. The product is then stored in a three-story warehouse, 112 by 400 feet, of slow-burning mill type construction. This is served by a 200 by 18 foot covered loading dock on each side. Since production goes on for 12 months, and all shipping is done in less than four months, large warehouse and shipping facilities are needed.

A lighting system with 500 watt lamps in the higher parts of the buildings and 200 watts in the lower provides good working conditions at night. The plant is completely sprinkler equipped.

The comprehensive building plans made by the Ferguson Company call eventually for an additional unit for a three-story office building to house the general administrative forces of the company at the same location. Space also is provided for a model gin in which machines can be seen at work ginning cotton.

Richmond county, North Carolina, will sell on July 6 \$15,000 of school bonds to bear an interest rate not to exceed 6 per cent and to mature \$1000 yearly from July 1, 1926, to July 1, 1940.

A \$15,000,000 UNIVERSITY PROPOSED AT MIAMI.

Florida Institution to Be Established at Coral Gables—Will Have 20 Main Buildings and 150 Pavilions for Open-Air Class Rooms.

[Telegram to Manufacturers Record.]

Miami, Fla., June 6.

University of Miami has been incorporated by the following: William Jennings Bryan, Clayton Sedgwick Cooper, James M. Cox, Bertha M. Foster, Henry Salem Hubbell, George E. Merrick, Ruth Bryan Owen, Thomas Pancoast, Mitchell D. Price, Leslie B. Robertson, E. G. Sewell, Frank B. Shutts, B. B. Tatum, William E. Walsh and Frederick Zeigen. George E. Merrick, developer of Coral Gables, has obligated himself to a donation of \$5,000,000 to match a similar amount to be raised by the public, Mr. Merrick's initial donation being 100 acres of land, well located with a canal waterway running through it to Biscayne Bay, the same being an ideal location for the Miami University. The value of this piece of land is estimated at \$1,000,000. Mr. Merrick also agrees to provide \$100,000 per month the first year to carry on building operations and the balance to be expended over a period of five years.

A donation of \$200,000 has been made for the art center and \$200,000 for the music center. A chapel has also been donated by Frederick Zeigen. It is planned to put on a campaign within a few months to raise the balance of the funds necessary.

The buildings of this institution will be unique in architecture, as the mild climatic conditions will allow an open-air effect. We believe that this will appeal to people from Northern states where children have to be housed in steam-heated classrooms. There has been a great demand for a Miami university from both the home people and winter visitors, and with the building of this institution Miami's dream will be realized. Advanced courses in cultural training, science, art, literature, music, engineering and other courses will be taught. No fees will be required except the usual matriculation fees charged in any state university of the same size. No requirements except as to educational preparation will be made otherwise than are now in vogue in all state universities in the South. There will also be a university high school located near the Miami University.

The plans call for creating lakes, yacht basins and waterways adjacent to the university grounds and for a beautiful layout of tropical palms and shrubbery throughout the grounds.

E. G. SEWELL,

President, Miami Chamber of Commerce.

The following telegram has also been received:

[Telegram to Manufacturers Record.]

Miami, Fla., June 5.

Miami University endowed for \$15,000,000, to be located on 100 acres in Coral Gables donated by George E. Merrick. Will be co-educational and non-sectarian. Regents expect to open university for first semester in fall of 1926. Building to commence within next month. School of fine arts endowed for \$200,000; school of music endowed for \$250,000. George Merrick pledged \$5,000,000 for endowment in addition to land.

Many eminent professors have declared willingness to become members of Miami University faculty. Temporary president of university is William E. Walsh, Miami attorney;

vice-president is Mrs. Ruth Bryan Owen, daughter of William Jennings Bryan, and secretary-treasurer is Frederick Zeigen of Miami and Detroit. Board of regents composed of these officers and William Jennings Bryan, Clayton Sedgwick Cooper, E. G. Sewell, former Governor James M. Cox of Ohio, Frank B. Shutts, George E. Merrick, Thomas J. Pancoast, Judge Mitchell D. Price, Miss Bertha Foster, Henry Salem Hubbell and Leslie B. Robertson.

Miami University will be outdoor university with open-air pavilions for class rooms. Each department will have one main building and group of pavilions. Plans call for 20 main buildings and 150 recitation pavilions, two gymnasiums and swimming pools, chapel, president's residence and large library included. University campus on artificial lake with mile stretch for shell races and water meets. Entrance requirements same as standard university. Tuition fees on par with University of Florida. Expect enrollment of 5000 for fall of 1926.

Development of Riviera section of Coral Gables, where university is to be located, includes \$1,000,000 high school to serve southwest area of greater Miami; Mahi Shrine Temple; clubhouse and golf course, comprising 40 acres; largest station of Florida East Coast Railroad south of Jacksonville; another 18-hole Miami-Biltmore golf course; system of waterways throughout with yacht basins and docking basins; grand university concourse, 300 feet wide, extending nearly three miles diagonally through section; rapid transit railway system connecting all points with downtown Miami. Development is contiguous to Cocoplum Beach and bayfront areas of Coral Gables, where Miami-Biltmore Casino will be located.

PUBLICITY DEPARTMENT, Coral Gables.

Contracts for \$4,000,000 Saluda Development.

Several contracts have been awarded by the Blue Ridge Power Co., Spartanburg, S. C., on its proposed hydro-electric development on Green River, near Saluda, N. C., estimated to cost \$4,000,000. General contract was awarded to Rinehart & Dennis of Charlottesville, Va., for the construction of an arch dam about 172 feet high, a tunnel approximately two and one-half miles long and a power house for an output capacity of 50,000 horsepower.

Additional contracts include the following: Turbines, Newport News Shipbuilding & Dry Dock Co., Newport News, Va.; generators and transformers, General Electric Co., Schenectady, N. Y., and main transmission line, Huntington & Guerry, Spartanburg.

Mees & Mees of Charlotte, N. C., are engineers for the development.

Refinery Reopens—To Increase Capacity.

Houston, Texas, June 6—[Special.]—Shut down for two years, the refinery of the Crown Central Petroleum Corporation, on the Ship Channel, has been reopened. Its present capacity is 2500 barrels of crude a day, but this will be increased to 4000 barrels before the end of this month, it is stated. Additional storage tanks will be erected immediately. The company recently finished laying a 10-inch pipe line from its deep-water terminals on the Ship Channel to the tank farm.

Contract for \$1,000,000 Read Hotel.

Chattanooga, Tenn.—General contract has been awarded to the George A. Fuller Co., Washington, D. C., by the Read House Co. for the erection of its proposed \$1,000,000 hotel here on the site of the present Read House. The building will be 185 by 140 feet, 12 stories. Holabird & Roche of Chicago are the architects.

CONSTRUCTION SOUTH SETS NEW HIGH RECORD.

Nearly 40,000 Separate Items Published in Manufacturers Record in Five-Month Period.

Industrial, building and general development activities in the 16 Southern states for the first five months of 1925 have surpassed all previous records for a similar period with a total of 39,731 items published in the Daily Bulletin and in the construction columns of the MANUFACTURERS RECORD. During the corresponding period of the preceding year 29,163 items were published, while the total for the first five months of 1923 was 25,021.

In the four weeks of last month 7306 items were published, including 3648 industrial development notices, 2021 building news items, 681 announcements concerning bond issues voted and sold and new financial corporations, and 800 machinery, proposals and supplies wanted items.

| | Total for May | Total for Jan.-May (Inc.) |
|---|---------------------|------------------------------------|
| Industrial Developments: | | |
| Airplane plants, stations, etc..... | 2 | 8 |
| Bridges, culverts and viaducts..... | 295 | 1,475 |
| Canning plants..... | 11 | 112 |
| Clayworking plants..... | 9 | 65 |
| Coal mines and coke ovens..... | 22 | 142 |
| Concrete and cement plants..... | 6 | 60 |
| Cotton compresses and gins..... | 37 | 157 |
| Cottonseed oil..... | 9 | 43 |
| Drainage, dredging and irrigation..... | 32 | 97 |
| Electric light and power..... | 176 | 912 |
| Fertilizer plants..... | 3 | 20 |
| Flour, feed and meal mills..... | 5 | 64 |
| Foundry and machine plants..... | 25 | 132 |
| Gas and oil developments..... | 103 | 550 |
| Ice and cold storage..... | 60 | 261 |
| Iron and steel plants..... | 4 | 14 |
| Land developments..... | 617 | 2,917 |
| Lumber enterprises..... | 61 | 362 |
| Metal-working plants..... | 2 | 29 |
| Mining..... | 22 | 155 |
| Miscellaneous Construction..... | 78 | 449 |
| Miscellaneous enterprises..... | 492 | 3,203 |
| Motor cars, garages, filling stations..... | 138 | 928 |
| Motor bus lines and terminals..... | 18 | 18 |
| Railways and street railways..... | 7 | 16 |
| Railway shops and terminals..... | 18 | 57 |
| Road and street construction..... | 950 | 4,883 |
| Sewer construction..... | 158 | 804 |
| Shipbuilding plants..... | 0 | 2 |
| Telephone systems..... | 20 | 165 |
| Textile mills..... | 44 | 241 |
| Water works..... | 196 | 1,030 |
| Woodworking plants..... | 28 | 192 |
| | 3,648 | 19,563 |
| Building: | | |
| Association and fraternal..... | 53 | 344 |
| Bank and office..... | 119 | 621 |
| Churches..... | 184 | 1,114 |
| City and county..... | 103 | 540 |
| Dwellings..... | 526 | 2,894 |
| Government and state..... | 23 | 124 |
| Hospitals, sanitariums, etc..... | 66 | 333 |
| Hotels and apartments..... | 273 | 1,566 |
| Miscellaneous..... | 62 | 436 |
| Railway stations, sheds, etc..... | 8 | 55 |
| Schools..... | 331 | 1,558 |
| Stores..... | 198 | 1,223 |
| Theatres..... | 37 | 190 |
| Warehouses..... | 38 | 300 |
| | 2,021 | 11,298 |
| Financial: | | |
| Bond issues proposed..... | 382 | 382 |
| Bond issues sold..... | 139 | 1,964 |
| Building and loan associations..... | 22 | 22 |
| New financial corporations..... | 138 | 1,088 |
| | 681 | 3,456 |
| Machinery, proposals and supplies wanted | | |
| | 800 | 4,119 |
| | 7,150 | 38,436 |
| Fire damage..... | | |
| | 156 | 1,295 |
| Total..... | 7,306 | 39,731 |

Duval County Board of Public Instruction, Jacksonville, Fla., has sold a school bond issue of \$2,500,000 to Wright, Wardlow & Co., Orlando, Fla., at a premium of \$180,975.

The Bid of the Southern Highlands for National Parks.

By ARTHUR L. POWERS, Knoxville, Tenn.

The various sectional movements looking to the establishment of national parks in the Southern Appalachians should be co-ordinated, or centralized, in such a way as to bring about unity of action. There are at least four states in this region making a strong plea for a national park. These are Virginia, North Carolina, Tennessee and Kentucky. Harmony among the rival sections has prevailed thus far, but that wholesome element of concerted action so necessary in a regional project of this kind has been conspicuously absent.

Prospects for victory for this great project are now brighter than ever. A little circle of pioneers in this movement, whose struggle over many years has gradually enlisted the support of the whole region, appears to have the enthusiastic support of other regions, as well as Government officials.

Commerce and trade in the Southern Appalachian region, although little past the infantile stage so far as extensive universal development is concerned, is multiplying in quantity rapidly as pertains to the older industries, with new ones, having unlimited possibilities, being opened to development every year. But the real commercial Renaissance of this region is yet to come. A national park, or parks, in the romantic Southern Highlands will hasten its coming more than any combination of improved conditions or material realities. A national park will bring a steady stream of tourists who will see and appraise first hand the rich and rare resources of this peculiarly favored region.

The people of Appalachia have advocated for some time the completion of a great program of forestry purchase. Most of the land is unsuited to agricultural crops, but will grow forests rapidly. It reseeds well in this mild climate and deep soil, and "is destined to become one of our great permanent hardwood centers." At the same time they have urged that certain scenic areas be left unscathed by the hand of commercialism. When the commission appointed by Secretary Work to determine the boundaries of the parks returns to gather data for its final report, it will, no doubt, as last year, point out that there are unique areas which should be conserved in the primeval state. Since national forests are for utility, the timber crops, water-power, minerals, etc., being sold and leased, the outstanding areas would not be reserved for purely museum purposes.

The Forestry Department has recently, in a true spirit of co-operation, excluded the proposed park areas from contemplated purchase areas.

Co-operation of the various sectional organizations, or a close centralization among them, is very essential at this time when the Federal Government is looking with great favor on the proposition. Heretofore each section has heralded and exploited its own favorable qualities, often with the purport that its own scenic area was the only one worth mentioning. If a barrier is set up comparable to the high mountains that separate the neighboring communities of Appalachia, an abstract impediment which hinders only provincial progress, with utter disregard of other sections similarly favored, what can we expect when the bill comes up for vote in Congress? United we succeed; divided we may fail. If sectional sentiment becomes too strong, it will have a tendency to influence Congressmen and Senators to the extent that they will offer only lukewarm support to any measure which does not directly favor their own districts. Furthermore, if the pet motives and prejudiced rivalry of the communities are not

smothered at the crucial time, the time of outside opposition—if we do not think, talk and vote as one man—how can we expect the support of other regions not directly benefited?

In addition to the newness of the project in the East, there being at present only one small national park east of the Mississippi River, we face a handicap that is more difficult to overcome than the West had. The land of the East is all privately owned except areas included in the national forests, which do not, as a general rule, contain the unique scenic retreats. Moreover, the Government has never purchased any of the lands for national parks. "I will expect material aid from the states affected," said Secretary Work.

The enthusiastic support of Governor Austin Peay of Tennessee, reinforced by the Knoxville Chamber of Commerce, has led to the first definite step in acquiring lands for this purpose. Governor Peay's proposal to buy the Townsend tract of 78,000 acres, in the heart of the proposed Smoky Mountain National Park, as a nucleus for this park, whose areas will extend into North Carolina, provided Knoxville would raise one-third of the purchase price, has become a reality. When the bill seemed destined to failure in the recent session of the legislature, the Knoxville Chamber of Commerce financed the removal of the legislature to the Smoky Mountains, where every member became a committee of one to personally inspect the tract. Other states, cities, organizations and individuals will possibly have sites to offer should their selected area be favorably reported upon.

The question will be settled favorably or unfavorably, perhaps within two years. The proposed park areas are to be photographed from airplanes in a very short time, and the Commission will make another inspection tour during the latter part of June. This body is empowered, under an Act of Congress approved February 1, to fix the boundaries of the parks, to receive offers of donations and to obtain options on land within the proposed parks.

Apparently the locations in greatest favor of the officials are the Shenandoah region of Virginia, the Great Smokies region of Tennessee and North Carolina and the Mammoth Cave region of Kentucky. The Shenandoah area was placed first, according to the reports of Commission, because road and other park development will not be so great an undertaking.

The Government officials will welcome any constructive move by the interested sections. Col. D. C. Chapman and Willis P. Davis of Knoxville, who had a recent conference with Washington officials, state that the Government will in all probability be unwilling to purchase any of the lands for the parks. Donations by states and individuals seems, therefore, the most feasible way, they state. Several wealthy men of the East, directly or indirectly interested in the Appalachian region, having businesses or summer homes located here, have expressed a willingness to aid financially in acquiring the land, and the acquisition of the land from the various private owners and lumber companies is the one very necessary step now.

A meeting to launch something definite and forceful—to begin appraising land, securing options, etc.—is the pressing need just now. A convention has been proposed in which all sections are to take part. Such a meeting would bring together representative delegations of each section who could formulate a plan of united action, and at the same time all differences of the rival sections could be eliminated there before they reach the ears of the officials.

CONSOLIDATION COAL COMPANY BREAKS WITH UNION.

Resumes Operations on Open-Shop Basis in Harrison County, West Virginia.

Fairmont, W. Va., June 6—[Special.]—After seven years' experience in operating its mines in northern West Virginia in agreement with the United Mine Workers of America, and after having found it necessary to close down all of its 28 mines because of its inability to operate under the wage scale demanded by the union, the Consolidation Coal Company, the largest producing company in northern West Virginia, has definitely broken with the union, as signalized in the resumption of operations on an open-shop basis at its Columbia mine in Harrison county, at the insistence of the miners heretofore employed at the Columbia mine and as the result of petitions presented by such employes who have long been in idleness. In other words, the union miners themselves in many instances are bringing about the open-shop operation of mines, realizing that the high wage scale and other conditions exacted and demanded by the union are out of the question and are only a barrier to their own employment.

No direct statement has been made as to the future labor policy of the Consolidation Coal Company, but Frank R. Lyon, vice-president in charge of operations, has declared that "other mines of the company will be opened on the same basis, provided the old employes there ask for such a step, although the number of mines to be reopened will depend entirely upon the ability of the company to dispose of its product."

It has been denied by Mr. Lyon that the company was not acting in good faith and that it was opening the Columbia mine on the 1917 scale and yet proposed to open other mines under the Baltimore agreement.

"The non-union production in northern West Virginia is averaging more than 1000 railroad cars daily," he stated, "while the union production is at a minimum. This in itself is an answer to the question of whether or not we will resume operations at any of our plants under the Baltimore agreement."

"It is impossible for us to start our mines on the agreement now in existence with the union. Our company suffered heavy financial losses in operating during the past year on the higher rate of wages demanded by the miners, and it would be folly for us to resume on it."

As to the operation of other mines of the company on a basis similar to that prevailing at the Columbia mine, Vice-President Lyon said: "We will negotiate with our employes at other mines when they ask for such negotiations. The plan which we propose is founded on the principle of collective bargaining. It gives the employes a voice in carrying out the provisions of the agreement, and gives them, collectively and individually, the right to adjust local and personal grievances. The agreement is an assurance and an evidence of good faith as to fair treatment."

The action of the company in resuming operations on the open-shop basis is regarded as the most important development in the northern West Virginia coal fields since the inception of the present controversy between the union and the operators, and in the opinion of well-informed coal men will go further than anything else toward sounding the death knell of the union in northern West Virginia for several reasons. In the first place, the company is the biggest operating concern in that section; and more important still, it took the initiative in permitting the operation of its mines in 1918. After several years' experience with the union, the company has at last found it necessary to abandon such relationship owing to the arbitrary conditions imposed.

President Sirrine of Southern Exposition Thanks Many for Their Co-operation.

Greenville, S. C., May 30.

Editor Manufacturers Record:

Please allow me the use of your columns to thank you for the many kind things that have been printed recently concerning the Southern Exposition and our organization. These friendly comments more than repay us for the work of the past 18 months. I am deeply grateful to you and the members of your staff for the constant support and encouragement we have received from the MANUFACTURERS RECORD. Without this we could not have succeeded.

It is impossible in the brief space of a letter to name the many persons and agencies who have contributed materially to the result. We have found them both in the North and the South. The Exposition is a perfect illustration of teamwork. There were many hands on the rope which put it over the top. The co-operation was received for the first venture will no doubt be greatly increased in the future.

I thank most sincerely everyone who helped, directly or otherwise. We have learned a great deal which will be useful to those who take space in the Exposition in 1926.

W. G. SIRRINE.

Industrial Development Plan at Frixburg, Va.

Meherrin, Va., June 6—[Special.]—At Frixburg, Va., near here, an important development of 1000 acres of land is proposed by Brownlee Frix and associates of Richmond. This large tract is located at the intersection of three railroads—the Southern Railway, the Virginian Railroad and the Norfolk & Western Railway Belt Line. The owners of the property are endeavoring to build an industrial section and have 100 free factory sites which, it is stated, they are willing to turn over to legitimate manufacturers without any compensation, but they must be going concerns.

Frixburg is about midway between Norfolk and Roanoke, between Richmond and Danville and between Petersburg and Lynchburg. Several large canning industries are located in this (Lunenburg) county and their goods are sold all over the United States. John T. Gee started a small canning factory on his farm in this county and has made so much progress that he is now moving from the little factory on his farm to Frixburg and will continue to manufacture there on a much larger scale. His idea is that all which enters into the canning industry shall be manufactured on the ground, and he is going to install at once a machine for making cans. Other products very necessary in the canning industry would also open up avenues of business for manufacturers.

The men interested in this development are John T. Gee, president; J. G. Ward, vice-president, who is owner of the Frixburg Lumber Mills and president of the Frixburg Iron Brick Company, and Brownlee Frix, secretary and treasurer, 205 Carneal Building, Richmond, Va., who is the owner of Frixburg. Mr. Frix also owns 1200 acres of land near Pinehurst, N. C.

Gain of \$15,000,000 in Bank Resources of North Carolina.

The aggregate resources of 516 state banks and trust companies in North Carolina April 6 was \$295,815,795, compared with \$286,489,668 on March 31, 1924, giving a net gain of \$9,326,127. The total resources of all banks in North Carolina April 6, 1925, which includes the latest available figures on national banks, was \$487,212,795, or an increase of over \$15,000,000 compared with last year.

\$322,000,000 for New Construction in 1925.

CONTRACTS IN FIRST FIVE MONTHS SHOW BIG GAIN OVER PREVIOUS YEARS—PROJECTS PLANNED AMOUNT TO \$565,000,000.

Contracts awarded for building and other construction projects in the 16 Southern states for the first five months of 1925 amounted to \$322,141,500, according to compilations from reports published in the construction columns of the Daily Bulletin and in the MANUFACTURERS RECORD. For the corresponding period of 1924 awards for similar work totaled \$289,700,000, and for the first five months of the preceding year the total was \$255,271,000.

From January to May, inclusive, preliminary announcements of contemplated construction projects this year involved the expenditure of approximately \$565,000,000, as compared with \$599,100,000 for the corresponding period of the preceding year and with \$611,553,000 for the first five months of 1923.

Contracts let in the four weeks of last month amounted to \$68,910,000, compared with \$77,046,000 for the same month of the preceding year and with \$54,285,000 for May, 1923.

Roads, paving and bridge work hold first place in the amount of money involved, the total for contracts let for this class of work, January to May, inclusive, being \$81,900,000. Awards for apartment houses and hotels amounted to \$49,570,000. Next come contracts for miscellaneous enterprises—including garages, piers, warehouses, railway shops, hydro-electric plants and a wide variety of projects not specifically

covered in the other classifications—amounting to \$46,370,000. Awards for bank and office building construction to the five-month period totaled \$45,890,000.

| MAY, 1925. | | |
|---------------------------------------|---------------------|-------------------------|
| | Contracts awarded | Contracts to be awarded |
| Apartment houses and hotels..... | \$14,023,527 | \$20,136,000 |
| Association and fraternal..... | 312,388 | 1,887,000 |
| Bank and office buildings..... | 5,968,982 | 4,734,000 |
| Church buildings..... | 2,739,812 | 6,512,000 |
| City and county projects..... | 1,020,067 | 2,985,000 |
| Dwellings..... | 4,523,287 | 4,767,150 |
| Miscellaneous enterprises..... | 9,091,395 | 22,107,500 |
| Roads, paving and bridges..... | 22,243,988 | 12,511,130 |
| School buildings..... | 4,299,399 | 4,762,000 |
| Sewers, drainage and water works..... | 2,025,631 | 9,472,980 |
| Store buildings..... | 2,661,913 | 2,176,289 |
| Totals..... | \$68,910,389 | \$92,051,049 |

SUMMARY BY CLASSIFICATION. FIRST FIVE MONTHS, 1925.

| | Contracts awarded | Contracts to be awarded |
|---------------------------------------|----------------------|-------------------------|
| Apartment houses and hotels..... | \$49,578,411 | \$100,975,750 |
| Association and fraternal..... | 2,393,955 | 17,999,500 |
| Bank and office buildings..... | 45,893,555 | 35,824,600 |
| Church buildings..... | 13,499,588 | 35,900,000 |
| City and county projects..... | 7,785,093 | 19,140,000 |
| Dwellings..... | 23,980,069 | 29,009,580 |
| Miscellaneous enterprises..... | 46,373,536 | 149,255,283 |
| Roads, paving and bridges..... | 81,921,252 | 78,808,833 |
| School buildings..... | 29,719,311 | 40,070,900 |
| Sewers, drainage and water works..... | 9,615,933 | 40,007,199 |
| Store buildings..... | 11,380,846 | 18,060,804 |
| Totals..... | \$322,141,549 | \$565,052,449 |

Building \$3,000,000 Hollywood Hotel.

Employing three shifts of workmen—a day shift of 250 and two others of 150 each—the Construction Company of Hollywood, contractor for the new \$3,000,000 Hollywood Hotel being erected at Hollywood, Fla., by the Hollywood Land & Water Co., is making a great effort to complete the structure in time for its formal opening on January 1, 1926. The building will be 550 by 170 feet, of fireproof, reinforced concrete construction, and will be located directly on the Atlantic Ocean. It will contain 500 rooms.

An arcade extending through the center of the building on the ground floor affords space for 40 storerooms, while luxurious lounges will be located throughout the building, one on the second floor to contain a large marble fireplace. A pipe organ and echo organ, with sounding boards in the main dining room, and on the ground floor there will be an individual will be provided for serving 800 people at one seating and 2300 at each meal.

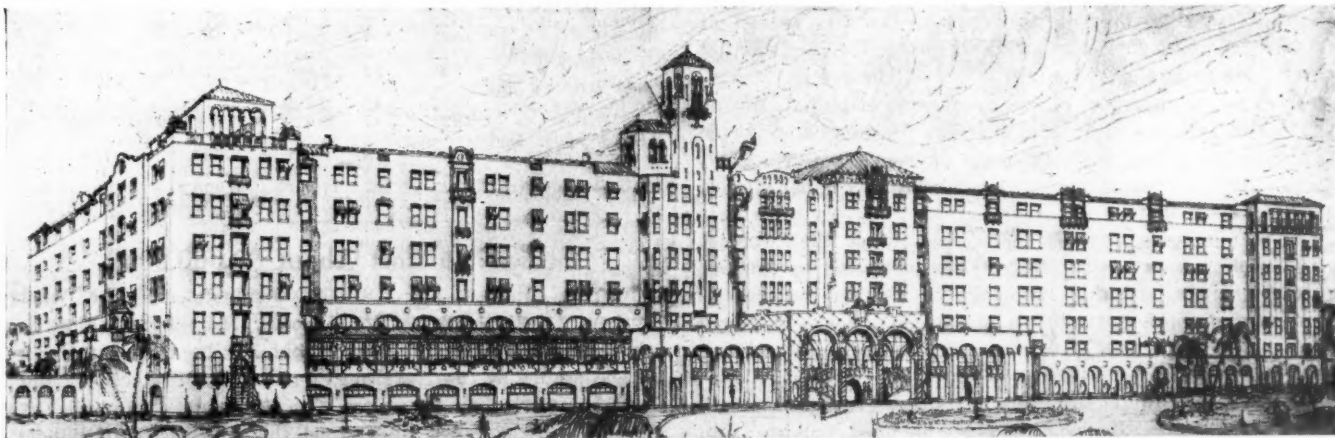
A dining room for children will be located off the main dining room, and on the ground floor there will be an individ-

ual cafeteria kitchen for serving the help. Facilities to be installed include incinerators, refrigerating equipment, ice-cream plant, bakery, laundry and other equipment. Dance pavilions will be provided on the roof, as will tea houses, loggias, etc.

The hotel will be of Spanish design and 120 feet in height. Plans and specifications have been prepared by Edgar O. Hunter of Rubush & Hunter, Indianapolis, and contract for wiring and electrical equipment has been awarded to the Sanborn Electric Co., also of Indianapolis.

\$1,500,000 Bond and Mortgage Company.

St. Petersburg, Fla.—Application for a charter has been made by the West Coast Bond & Mortgage Co., recently organized here with a capital stock of \$1,500,000, for the purpose of conducting a general mortgage, bond and real estate business. Officers of the company are: James R. Bussey, president; Raney H. Martin, vice-president, and C. I. Carey, secretary-treasurer.



HOTEL UNDER CONSTRUCTION IN FLORIDA AT HOLLY WOOD-BY-THE SEA.

\$1,200,000 Medical Arts Building at Memphis.

Construction is in progress at Memphis, Tenn., on the new medical arts building, which is being erected by the Madison Building Co., Oran L. Sackett, president, at a cost of approximately \$1,200,000. The structure will be eight stories and basement, with a two-story-and-basement garage in the rear. It will be of fireproof construction faced with brick and orna-



MEDICAL OFFICE BUILDING NOW UNDER CONSTRUCTION. mental terra cotta, the first floor to be devoted to seven stores, general entrance and elevator lobby.

Upper floors will be occupied by offices so planned that they may be subdivided into professional suites or left open for tenants who may require large area. There will be approximately 60,000 square feet of rentable floor space to be served by three passenger elevators. Tietig & Lee of Cincinnati are the architects, with Henry J. Kramer of Memphis, as associate architect, supervising construction. General contract has been awarded to B. E. Buffalo & Co. of Memphis.

Financial details have been handled by G. L. Miller & Co. of New York and Atlanta.

Census of Missouri Manufactures.

The Department of Commerce reports the value of products (at factory prices) of manufacturing establishments in Missouri aggregated \$1,547,167,000 in 1923. This aggregate represents an increase of 33.1 per cent, as compared with \$1,162,006,000 in 1921. Figures relate to manufacturing establishments whose output during the year was valued at \$5000 or more. The elimination of data for the smaller establishments has only a slight effect on the totals.

The average number of wage-earners employed during 1923, 196,693, exceeded by 25.8 per cent the number reported for 1921, 156,384, and the total wage payments in 1923, \$228,015,000, show an increase of 24.7 per cent, as compared with \$182,897,000 in 1921.

The manufacture of boots and shoes, other than rubber, is the leading industry in Missouri, as measured by number of wage-earners. In this industry the average number of wage-earners employed during the census year increased from 15,245 in 1921 to 23,019 in 1923, the rate of increase being 51 per cent.

Measured by total value of products, however, the slaughtering and meat-packing industry is the most important in the state. This industry, which employed 6865 wage-earners

in 1923, reported a total output valued at \$152,917,000, an increase of 13.3 per cent over the 1921 total, \$134,960,000.

The following table presents statistics for the leading 20 manufacturing industries in Missouri, listed in the order of their importance as measured by the average number of wage-earners employed in 1923. The figures for 1923 are preliminary and subject to such correction as may be found necessary upon further examination of the returns:

SUMMARY FOR MANUFACTURING INDUSTRIES IN MISSOURI, 1923 AND 1921.

| | Census year | Number of establishments | Wage-earners (average number) | Wages | Value of products |
|---|-------------|--------------------------|-------------------------------|---------------|-------------------|
| Total, all industries | 1923 | 5,292 | 196,693 | \$228,014,986 | \$1,547,167,429 |
| | 1921 | 5,442 | 156,384 | 182,896,538 | 1,162,006,299 |
| Boots and shoes, other than rubber | 1923 | 65 | 23,019 | 22,234,797 | 121,830,354 |
| | 1921 | 60 | 15,245 | 14,570,775 | 87,715,281 |
| Steam-railroad repair shops | 1923 | 62 | 12,274 | 18,676,232 | 35,157,956 |
| | 1921 | 58 | 11,418 | 18,657,006 | 33,250,164 |
| Clothing, men's, (outer garments only) | 1923 | 101 | 8,548 | 7,643,743 | 38,262,839 |
| | 1921 | 103 | 7,037 | 5,315,608 | 26,613,023 |
| Foundry and machine-shop products, not elsewhere classified.. | 1923 | 220 | 7,598 | 10,965,302 | 44,086,595 |
| | 1921 | 229 | 6,744 | 8,653,834 | 34,386,388 |
| Slaughtering and meat packing, wholesale | 1923 | 44 | 6,865 | 7,927,120 | 152,916,678 |
| | 1921 | 44 | 5,993 | 8,027,551 | 134,960,496 |
| Bread and other bakery products. | 1923 | 644 | 6,281 | 7,748,358 | 40,888,216 |
| | 1921 | 723 | 6,145 | 7,366,431 | 40,762,158 |
| Clay products (other than pottery) and non-clay refractories. | 1923 | 61 | 6,233 | 7,205,075 | 18,509,934 |
| | 1921 | 55 | 3,963 | 4,106,863 | 10,848,963 |
| Electrical machinery, apparatus and supplies | 1923 | 57 | 5,492 | 6,101,374 | 27,883,361 |
| | 1921 | 47 | 3,616 | 3,490,689 | 17,312,741 |
| Printing and publishing, book and job | 1923 | 385 | 5,092 | 7,569,328 | 28,502,917 |
| | 1921 | 394 | 5,262 | 7,618,767 | 27,603,436 |
| Cars, steam-railroad, not built in railroad repair shops | 1923 | 7 | 4,661 | 6,783,251 | 38,191,307 |
| | 1921 | 7 | 2,939 | 4,463,658 | 27,656,089 |
| Lumber and timber products (logging and sawmill operations) | 1923 | 127 | 4,197 | 3,370,350 | 13,246,146 |
| | 1923 | 123 | 3,245 | 2,176,682 | 7,108,761 |
| Printing and publishing, newspapers and periodicals | 1923 | 358 | 3,778 | 6,114,697 | 39,312,998 |
| | 1921 | 387 | 3,611 | 5,643,805 | 38,104,298 |
| Shirts | 1923 | 19 | 3,597 | 2,123,171 | 10,122,770 |
| | 1921 | 18 | 3,073 | 2,109,596 | 10,209,961 |
| Furniture (including show cases) | 1923 | 84 | 3,583 | 4,313,717 | 16,534,607 |
| | 1921 | 88 | 2,861 | 3,590,358 | 13,337,916 |
| Motor vehicles (not including motorcycles) | 1923 | 11 | 3,581 | 5,684,254 | 137,447,034 |
| | 1921 | 12 | 1,607 | 2,630,550 | 58,141,374 |
| Confectionery and ice cream | 1923 | 122 | 3,102 | 2,854,269 | 20,919,396 |
| | 1921 | 138 | 2,931 | 2,760,793 | 18,042,582 |
| Steel works and rolling mills | 1923 | 6 | 2,917 | 4,812,914 | 17,395,288 |
| | 1921 | 6 | 1,831 | 4,006,132 | 9,693,211 |
| Clothing, women's. | 1923 | 85 | 2,904 | 2,825,124 | 15,886,344 |
| | 1921 | 91 | 2,887 | 2,676,412 | 13,601,042 |
| Paper boxes and containers | 1923 | 49 | 2,839 | 2,574,083 | 13,010,767 |
| | 1921 | 47 | 1,876 | 1,607,929 | 7,977,584 |
| Motor-vehicle bodies and parts... | 1923 | 78 | 2,712 | 3,857,482 | 17,841,081 |
| | 1921 | 71 | 1,045 | 1,460,691 | 4,517,255 |
| All other industries | 1923 | 2,707 | 77,420 | 86,630,345 | 699,220,841 |
| | 1921 | 2,741 | 63,055 | 71,962,408 | 540,164,576 |

Seawall to Cost About \$2,000,000.

Gulfport, Miss.—A bid of \$1,992,000 submitted by the Wood Brothers Construction Co. of Lincoln, Neb., for building a 14-mile seawall along the beach front has been recommended for acceptance by the Harrison County Road Protection Commission. The company agrees to complete the work by August 31, 1926. It is understood that the Board of Supervisors will soon award contract.

Cotton Crop Prospects.

A report of the latest available information as to cotton production in foreign countries, compiled by the Bureau of Agricultural Economics, shows the new cotton crop in foreign countries of the Northern Hemisphere so far are generally favorable. In Egypt private forecasts indicate that the acreage is as large or larger than in 1924, but with reseeding as large or larger than in 1924. Although slightly backward, the new crop is healthy in condition. The area planted in Russia up to May 1 is said to be 1,401,000 acres, which is 17 per cent greater than the total area for last year. Statements made public in April announced a probable total cotton area for Russia of 1,515,000 acres. In Mexico conditions are less favorable. The lack of irrigation water in the Laguna District, the principal cotton-growing region of the country, has resulted in a heavy curtailment in the acreage planted. The condition of the crop is favorable.

On May 25 the Agricultural Department reported a condition of 76.6 per cent normal for the American cotton crop, which is the highest since 1918, and compares with 65.6 per cent one year ago and 72 per cent the average for the past 10 years on May 25.

Two factors which must not be overlooked, states the Department, are the increased evidences of the weevil in the southeast and the scanty supply of subsoil moisture in parts of Texas. Grasshoppers are present in considerable numbers in Texas, but have done little damage as yet. Lice are holding back the crop in southern Texas and in some of the dryer sections of that state.

No forecast of production has been made, but the Department states that an estimate of acreage this year will be included in its July 2 cotton report. Reports from private sources indicate that the cotton acreage this year is slightly in excess of that of 1924, and, of course, with the higher condition reported, the forecast now would be for a larger crop than that of last year.

According to a revised estimate, the area in cultivation June 25, 1924, was 42,641,000 acres and the area picked last year was 41,360,000 acres, which produced a crop of 13,619,000 bales, while the average yield of lint cotton per acre was reported at 157.4 pounds.

Tennessee's Manufactures.

The value of products (at factory prices) of manufacturing establishments in Tennessee aggregated \$555,253,000 in 1923. These figures relate to manufacturing establishments whose output during the year was valued at \$5000 or more and represent an increase of 48.4 per cent, as compared with \$374,038,000 in 1921.

The average number of wage-earners employed during 1923, 106,504, exceeded by 41.2 per cent the number reported for 1921, 75,446, and the total wage payments in 1923, \$92,482,000, show an increase of 40.7 per cent, as compared with \$65,741,000 in 1921.

The "knit goods" industry is the leading one in Tennessee, as measured either by number of wage-earners or by value of products. In this industry the average number of wage-earners employed during the census year, increased from 10,050 in 1921 to 13,844 in 1923, the per cent of increase being 37.8, and the value of products increased from \$24,704,000 in 1921 to \$40,210,000 in 1923, the rate of increase being 62.8 per cent.

The following table presents statistics for the leading manufacturing industries in Tennessee, listed in the order of their importance as measured by the average number of wage-earners employed in 1923. (The construction of steam-railroad cars, which ranked fourteenth in number of wage-earners, is not shown in this table in order to avoid

disclosing the operations of individual establishments.) The figures for 1923 are preliminary and subject to such correction as may be found necessary upon further examination of the returns.

SUMMARY FOR INDUSTRIES IN TENNESSEE, 1923 AND 1921.

| | Census year | Number of establishments | Wage earners (average number) | Wages | Value of products |
|---|-------------|--------------------------|-------------------------------|--------------|-------------------|
| Total, all industries | 1923 | 2,307 | 106,504 | \$92,481,539 | \$555,252,759 |
| | 1921 | 2,245 | 75,446 | 65,741,045 | 374,038,316 |
| Knit goods | 1923 | 72 | 13,844 | 7,751,947 | 40,209,851 |
| | 1921 | 66 | 10,050 | 5,362,497 | 24,703,782 |
| Steam-railroad repair shops | 1923 | 20 | 11,842 | 16,806,648 | 31,560,694 |
| | 1921 | 20 | 8,691 | 13,554,371 | 22,965,620 |
| Lumber and timber products (logging and sawmill operations) | 1923 | 382 | 11,676 | 7,916,059 | 35,065,616 |
| | 1921 | 357 | 8,749 | 6,116,496 | 20,394,196 |
| Cotton goods | 1923 | 19 | 6,495 | 4,273,520 | 30,296,376 |
| | 1921 | 16 | 4,342 | 2,407,512 | 10,533,013 |
| Planing-mill products, not made in planing mills connected with sawmills | 1923 | 94 | 3,769 | 3,177,287 | 20,616,511 |
| | 1921 | 101 | 2,469 | 1,800,274 | 12,280,750 |
| Foundry and machine-shop products, not elsewhere classified | 1923 | 71 | 3,399 | 3,650,209 | 14,274,030 |
| | 1921 | 79 | 3,119 | 2,611,451 | 11,432,592 |
| Furniture (including show cases)* | 1923 | 49 | 3,056 | 2,431,922 | 9,603,996 |
| | 1921 | 47 | 2,444 | 2,010,012 | 8,018,103 |
| Stoves (other than gas, oil or electric), hot-air furnaces and fireless cookers | 1923 | 15 | 1,825 | 1,891,005 | 6,047,432 |
| | 1921 | 15 | 908 | 770,231 | 2,158,241 |
| Clothing, men's (outer garments only) | 1923 | 28 | 1,756 | 1,046,761 | 6,910,528 |
| | 1921 | 23 | 1,175 | 643,692 | 4,192,994 |
| Clay products (other than pottery) and non-clay refractories | 1923 | 37 | 1,737 | 1,207,868 | 4,210,227 |
| | 1921 | 32 | 1,209 | 977,465 | 2,720,341 |
| Bread and other bakery products | 1923 | 99 | 1,691 | 1,481,571 | 8,585,031 |
| | 1921 | 100 | 1,079 | 980,243 | 6,496,477 |
| Woolen goods | 1923 | 7 | 1,544 | 813,588 | 4,285,465 |
| | 1921 | 9 | 1,057 | 617,335 | 2,399,220 |
| Printing and publishing, newspapers and periodicals | 1923 | 113 | 1,535 | 1,984,257 | 12,978,189 |
| | 1921 | 114 | 1,350 | 1,989,227 | 11,963,203 |
| Motor-vehicle bodies and parts | 1923 | 17 | 1,445 | 1,457,530 | 6,219,565 |
| | 1921 | 10 | 177 | 207,571 | 717,290 |
| Printing and publishing, book and job | 1923 | 92 | 1,389 | 1,780,227 | 6,870,474 |
| | 1921 | 101 | 1,236 | 1,591,310 | 6,401,188 |
| Cast-iron pipe | 1923 | 3 | 1,354 | 1,384,610 | 5,931,955 |
| | 1921 | 3 | 435 | 351,616 | 1,096,595 |
| Confectionery and ice cream | 1923 | 53 | 1,278 | 1,073,225 | 9,161,282 |
| | 1921 | 49 | 1,128 | 869,018 | 7,321,050 |
| Flour-mill and grain-mill products | 1923 | 212 | 1,231 | 1,017,900 | 27,793,071 |
| | 1921 | 277 | 1,139 | 945,193 | 27,074,222 |
| Oil, cake and meal, cottonseed | 1923 | 21 | 1,213 | 718,505 | 19,167,063 |
| | 1921 | 22 | 1,235 | 734,688 | 15,268,910 |
| All other industries | 1923 | 903 | 34,425 | 30,616,900 | 255,465,403 |
| | 1921 | 804 | 23,454 | 21,200,843 | 175,900,529 |

*Figures for 1921 not strictly comparable with those for 1923 because of changes in classification.

Bids Soon on \$2,000,000 Office Building.

Houston, Texas.—Bids are expected to be received within three weeks on the proposed \$2,000,000 office building to be erected here by Mrs. Neils Esperson. It is understood that the structure will be 30 stories high, with roof garden on the seventeenth floor. It will be of Italian Renaissance architecture, 150 by 151 feet, with Texas granite base, Bedford limestone tower and terra cotta frieze. An open court garage of two sub-stories will be provided. John Ebersson of Chicago is the architect.

As previously reported, contracts have been awarded for excavation, foundation and lower supporting walls, concrete piles and fabricated steel.

Building Costs Not Likely to Decline But to Increase in the Next Five Years.

In an address delivered before the Kansas City Real Estate Association on May 22 C. S. Keith, one of the prominent lumber men of the country, predicted that costs of building construction are not likely to decline, but that it appears building can now be done as cheaply as it may be in the next five years. Among other things Mr. Keith said:

"The subject given me, to forecast the probable tendency of building costs for the next five years, is one which requires considerable courage to discuss. There are so many uncertain situations to be taken into consideration. Among these things is the question, What are the prospective requirements of the country for the next five years? The most careful analysis that I have seen of the situation is that issued by the Building Age in December, 1923. A summary of this analysis is contained in the following statements:

"Taking our shortage of nearly \$10,000,000,000, putting our normal requirements at \$3,500,000,000 and figuring at the rate of \$5,000,000,000 worth of construction annually, it will take until 1932 before the existing building shortage is overcome."

"The Building Age, in its analysis of future requirements of the country, fails to take into consideration the character of construction of recent years. Because of the high cost of building, materials of inferior quality have been used. The depletion of virgin timber, good public highways and the tractor have resulted in bringing into production second-growth timber through the medium of the small portable mill. This lumber has neither the strength nor durability requisite to permanent construction, and because of its character will fail to last as long as the economic life of a house. This life, according to the Building Age, is assumed to be 50 years. The economic waste occasioned by this inferior material used in construction will be enormous, and in the next five to ten years many such houses will be absolutely worthless and will have to be replaced. Good lumber can be had at a slightly higher cost, which would assure permanency of construction.

"The principal items to be considered in determining the possible trend of future costs of building are: Demand for building materials consumed in construction, consumed in industry, exported abroad, and production costs as affected by taxation, depletion and labor. We must remember that building does not consume all of the so-called building products. For instance, in the last five years, the average annual consumption of cement in road construction has been 19.18 per cent. It is impossible to secure the figures for 1923 or those for 1918. These figures have not been developed. But we know the use of concrete in street and road construction has been progressively increasing, and I believe, under present conditions, it would not be an overstatement to say that approximately 40 per cent of the present cement production is now consumed in this manner. Furthermore, I believe the percentage of increase will progressively become greater as more and more roads are built.

"So far as lumber is concerned, 9 per cent of the lumber manufactured in the United States is exported each year, 12½ per cent is consumed in box manufacture, 5 per cent is consumed by the automotive industry, and the largest individual consumer of forest products is the railroads. Not to exceed 45 per cent of it is consumed in building. We must also realize that in the past four years building has consumed more than its normal proportion, because it has been more active than other industries; that the export business of the country, because of conditions abroad, has been less than normal, and that we have had a lesser demand from the railroads than in previous years. The farm implement

business the last four years has not consumed its normal proportion of the product because of agricultural conditions. The packing industry has not taken its normal supplies. The tendency of these industries and export is to expand, and if they expand concurrently with building, and production does not increase, which apparently it will not, the demand for the product will be greater than the supply and prices will advance. If building declines and other industries expand, values will at least be stable.

"One of the most uncertain factors in costs is taxation. It manifestly stands to reason that so long as we have excessive surtaxes on incomes, and so long as municipal, state and Federal securities are tax free, there will be a ready market for them. There will be a continual diversion of capital from such incomes to tax-free securities instead of industry. This capital will be employed in public works. This also results in a competitive demand for the building industry for labor and materials employed on public works. It also means further increases in property and personal taxes which must be taken into production costs. Our taxes on the same timber in Oregon last year were increased from \$80,000 to \$135,000, or over \$1000 per week, making our total taxes over \$3000 per week, or approximately \$1 per 1000 feet on our production in the West.

"Every taxpayer in the United States, if he has an interest in the amount of tax he must pay, exclusive of Federal income tax, in the manner of property and personal taxes, should advocate two things: (1) The elimination of Federal and state surtaxes on private incomes, and (2) The passage of an amendment to the United States Constitution requiring the taxation of incomes from municipal, state and Federal securities. If this is not done, the tax burden of the next generation will be more than 100 per cent higher than the present.

"Formerly our population increased more than 1,000,000 per year through immigration, but now it is less than 200,000 per year. With the decreasing amount of labor coming from abroad and the increasing demand for labor from expanding industry, there is not much possibility of any further liquidation in labor costs. While labor is on a higher wage basis today than it was before the war, it should properly be on such higher basis. No one today would suggest that labor should return to conditions of half a century ago; labor would not suffer alone—the whole nation would feel the adverse effect.

"Lumber is somewhat different from other industries, as it does not have depreciation, in the common sense of the term, but is depleting its capital at all times. So are all of the other wasting industries. When the timber supply of a plant is exhausted, the facilities are valueless. Therefore, the so-called depreciation of plant facilities is not in fact 'depreciation,' but 'depletion' of such facilities. Timber is a commodity of known quantity, and it is being reduced annually more than its annual growth, and because of depletion in excess of growth the value and cost thereof is increasing, thereby always tending to increase this cost of production. As the near source of supply becomes exhausted, more remote sources must be exploited. This will increase the cost of transportation from supply to consumption. It means additional investment in extension of railroads. The process will be continued until the price of lumber becomes so high that other commodities will come into competitive use. This will tend to reduce the consumption of lumber and increase the consumption of substitutes. Apparently there is no abatement in the consumption of lumber yet, and this solely because of the fact that it is still the cheapest building material.

"Taking the lumber situation as a whole, as reflected in building costs, we have before us the following factors:

1. Increasing tax burden; 2. Increasing transportation burden; 3. Developing of more remote timber; 4. Utilization of poorer quality timber, resulting in a value per item to yield a realization in excess of production costs; 5. No immediate probability of reduction in labor wages. Consequently, I cannot see where lumber costs will be lessened.

"Fuel enters largely into production costs of clay products and cement as well as steel. Mining wages have not been liquidated, but I expect to see such liquidation. Union miners are idle, while non-union miners are working. Where a year ago union production was 66 per cent of the total coal production of the United States, it is only 33 per cent now. Through economic conditions, union coal miners will be forced to accept a competitive wage.

"I look for little or no reduction in transportation charges. Transportation of this country is not being reasonably compensated, and it cannot render its services for less compensation in the absence of a substantial reduction in labor and fuel costs. I can see some prospect for reduction in fuel costs, but there is apparently no prospect for other lower labor costs. It is well to consider transportation in relation to business. There has been a more remarkable recovery in transportation than in any other industry in the last two years. Suddenly, in 1923, the situation changed, and where it took, in 1922, an average of 50 days to move a car of lumber from a point of origin to destination, it now takes about 10 days. We figure, in the lumber industry, it has resulted in releasing at least \$600,000,000 of capital employed in the lumber business in the form of stocks and accounts. This has resulted in saving \$36,000,000 a year in interest charges at 6 per cent on such capital, which, measured in dollars per thousand feet, amounts to approximately \$1, or approximately 10 per cent of the volume of the rate. This has to that extent reduced costs. Had it not been for this situation during the past two years lumber values would have been equal to the high prices of 1919 and 1920.

"I figure, in the past two years, while production has averaged approximately 37,000,000,000 feet of lumber per annum, consumption has absorbed approximately 45,000,000,000 feet. In other words, surplus stocks have been absorbed in construction. With stocks liquidated and production not increasing, and with construction on its present basis, with prospects of increased industrial and export demand, certainly the situation does not indicate lower values but rather higher ones. Therefore, I believe the prospective builder may look forward to the future with reasonable assurance that he will not for a long time to come be able to build cheaper than he can today."

Maryland Manufactures, 1923.

The value of products (at factory prices) of manufacturing establishments in Maryland aggregated \$903,406,000 in 1923, reports the Department of Commerce. This represents an increase of 41.7 per cent, as compared with \$637,574,000 in 1921.

These figures relate to manufacturing establishments whose output during the year was valued at \$5000 or more. The elimination of data for the smaller establishments has only a slight effect on the totals.

The average number of wage-earners employed during 1923, 129,837, exceeded by 21.2 per cent the number reported for 1921, 107,085, and the total wage payments in 1923, \$136,275,000, show an increase of 23.3 per cent, as compared with \$110,485,000 in 1921.

The men's clothing industry is the leading one in Maryland, as measured either by number of wage-earners or by value of products. In this industry the average number of wage-earners employed during the census year increased from

8976 in 1921 to 9720 in 1923, the per cent of increase being 8.3, and the value of products increased from \$48,611,000 in 1921 to \$53,625,000 in 1923, the rate of increase being 10.3 per cent.

The following table presents statistics for the leading manufacturing industries in Maryland, listed in the order of their importance as measured by the average number of wage-earners employed in 1923. (The building of steel ships and boats, which ranked eleventh in number of wage-earners, is not shown in this table, in order to avoid disclosing the operations of individual establishments.) The figures for 1923 are preliminary and subject to such correction as may be found necessary upon further examination of the returns.

SUMMARY FOR MANUFACTURING IN MARYLAND.
1923 AND 1924.

| | Census year | Number of estab-lish-ments | Wage earners (average number) | Wages | Value of products |
|--|-------------|----------------------------|-------------------------------|---------------|-------------------|
| Total, all industries | 1923 | 3,168 | 129,337 | \$136,275,410 | \$903,405,514 |
| | 1921 | 3,128 | 107,085 | 110,484,620 | 637,573,713 |
| Clothing, men's (outer garments only) | 1923 | 199 | 9,720 | 9,550,768 | 53,625,030 |
| | 1921 | 224 | 8,976 | 8,698,662 | 48,610,713 |
| Steam-railroad repair shops | 1923 | 21 | 9,581 | 13,267,434 | 29,292,860 |
| | 1921 | 21 | 6,317 | 8,676,671 | 17,463,603 |
| Canning and preserving, fruits and vegetables... | 1923 | 313 | 6,059 | 3,443,433 | 27,427,740 |
| | 1921 | 166 | 3,521 | 1,403,104 | 12,268,575 |
| Steel works and rolling mills | 1923 | 6 | 5,572 | 10,293,792 | 42,285,870 |
| | 1921 | 5 | 2,483 | 3,143,279 | 10,182,359 |
| Foundry and machine-shop products, not elsewhere classified.. | 1923 | 99 | 4,740 | 5,465,112 | 27,406,240 |
| | 1921 | 116 | 4,582 | 5,931,421 | 20,370,626 |
| Shirts | 1923 | 44 | 3,689 | 2,350,124 | 13,724,220 |
| | 1921 | 38 | 3,617 | 2,300,832 | 12,386,824 |
| Furnishing goods, men's, not elsewhere classified*. | 1923 | 23 | 3,636 | 2,211,116 | 12,053,920 |
| | 1921 | 31 | 3,153 | 1,903,459 | 9,948,623 |
| Clothing, women's. | 1923 | 85 | 3,175 | 2,517,749 | 14,161,340 |
| | 1921 | 102 | 3,293 | 2,378,158 | 12,986,004 |
| Bread and other bakery products. | 1923 | 268 | 3,013 | 3,559,415 | 20,147,630 |
| | 1921 | 325 | 2,783 | 3,292,864 | 19,305,104 |
| Tinware (not including stamped and enameled sheet-metal goods) | 1923 | 21 | 2,967 | 2,726,532 | 21,653,240 |
| | 1921 | 23 | 2,243 | 2,196,617 | 15,592,228 |
| Paper boxes and containers | 1923 | 26 | 2,808 | 2,599,266 | 11,005,540 |
| | 1921 | 25 | 1,857 | 1,697,533 | 6,482,435 |
| Cotton goods | 1923 | 11 | 2,623 | 2,154,483 | 12,164,580 |
| | 1921 | 14 | 2,803 | 2,072,201 | 7,475,421 |
| Fertilizers | 1923 | 48 | 2,612 | 3,053,811 | 21,562,572 |
| | 1921 | 44 | 2,294 | 2,610,194 | 23,431,375 |
| Printing and publishing, book and job | 1923 | 168 | 2,241 | 3,128,660 | 12,651,198 |
| | 1921 | 159 | 2,199 | 2,947,368 | 12,005,400 |
| Stamped and enameled sheet-metal goods | 1923 | 9 | 2,202 | 2,040,178 | 8,527,990 |
| | 1921 | 10 | 1,734 | 1,542,638 | 6,253,276 |
| Confectionery and ice cream | 1923 | 104 | 2,119 | 1,641,383 | 13,144,540 |
| | 1921 | 101 | 1,919 | 1,547,386 | 10,692,160 |
| Cigars and cigarettes | 1923 | 47 | 2,077 | 1,501,437 | 6,277,704 |
| | 1921 | 48 | 2,372 | 1,873,197 | 10,782,525 |
| Slaughtering and meat packing, wholesale | 1923 | 44 | 2,074 | 2,395,426 | 37,035,470 |
| | 1921 | 44 | 1,733 | 2,240,827 | 32,372,166 |
| All other industries | 1923 | 1,632 | 58,929 | 62,395,291 | 519,257,830 |
| | 1921 | 1,632 | 49,206 | 54,028,209 | 348,964,296 |

*Includes woven neckwear and underwear, belts other than leather, handkerchiefs, pajamas, etc.

Bids for \$1,500,000 of Improvements.

West Palm Beach, Fla.—Bids will be received by the city of West Palm Beach, C. A. Bingham, city manager, until July 8 for improvements to cost \$1,500,000. These will include \$1,000,000 worth of paving, ornamental lighting to cost \$100,000, and sewers \$400,000. Plans and specifications may be obtained after June 15 from Thomas Henry, city engineer.

NEWS AND VIEWS FROM OUR READERS

[Publication in this department of letters from our readers does not mean that we either approve or disapprove the views expressed. We believe in a full and frank discussion of the mighty questions of the hour, for only in this way can the truth be found. Therefore we often publish letters with which we do not agree.—Editor Manufacturers Record.]

Which—The Gold Standard or Managed Currencies to Stabilize the World's Progress?

ANDREW J. FRAME, Chairman of Board, Waukesha (Wis.) National Bank.

As Great Britain has returned to the gold standard, London has become the battle ground of dissenters who are firm advocates of "managed currencies" as preferable, to the end that "stabilization" of greater progress may result.

Arthur Kitson and Prof. J. M. Keynes, through the press and platform, are two outspoken dissenters, and both quote Sir Reginald McKenna, chairman of the Midland Bank, as proof of their contentions.

After over sixty years of banking experience, studying with some care most of the great authorities on political economy, may I be permitted to brief some reasons why I approve of the gold standard, as automatically a world stabilizer, as against "manager currencies," which seem as unstable as human judgment? Let us see:

1st. As to the indictment by Arthur Kitson in the November, 1924, issue of the National Review, London, entitled "The International Bankers Game" (confirmed vigorously by Professor Keynes), as to attempts to monopolize business generally by the very few, I believe the indictment seems conclusive and unanswerable, but as to the objections raised to the gold standard, also to "Government fiat giving irredeemable I. O. U.'s legal-tender powers," etc., in order to "stabilize" progress, I must most respectfully dissent.

2d. The article, apparently from Professor Keynes, entitled "Synopsis of an Address," last February at Central Hall, London, entitled, "The Gold Standard and What It Means," seems so full of fallacies, in such expressions as "Paper currency gives more stability than the gold standard," "Gold is not money," "The stamp of Government alone gives it value," etc., that some reasons for dissent are justifiable.

3d. Sir Reginald McKenna's very guarded statement in his "Annual Report to Midland Bank Stockholders" simply adds to what seems to me conclusive proof that monopoly is his slogan. On the contrary, I think his statement as to late price levels in Great Britain under her "managed currency," being more stable than United States prices under our gold standard, seemed so surrounded with nullifying expressions that no one can consistently cite him as approving such currencies, because he later declares "the case for managed currencies must be regarded as closed."

The Surest Foundation.

Space forbids only a brief digest of these points; therefore, permit me to say:

1st. Gold has withstood the test of the centuries as the most stable, indestructible, compact, easily devisable and best measure of values ever known. Its quantity has never been greater than now. It will by weight, regardless of kings or government stamp, buy at fair values any kind of property, from the North to the South Pole, and it did so even during the World War period.

2d. The gold of the world, now ample in quantity to do the business of the world, if used as a sure foundation and as a redeemer for a percentage of currency, so limited in amount as never to destroy public confidence, seems the greatest "stabilizer" the world has ever known.

3d. The celebrated "Bullion Report of 1810 to the House of Commons" has never been superseded by any sounder sub-

stitute. In fact, as Professor Sumner declared, "It is the most important document in financial literature."

In part, that report says:

(a) "Rich countries will have all the coin they need, providing no impolitic act of legislation (or war) interferes to force it out of circulation by the injection of inferior currencies."

(b) "It is the province of government to settle the quality question of money, and the needs of commerce will settle the quantity."

In 1925 the world's coffers are filled more abundantly with the world's standard, gold, than ever before, but inferior fiat and worthless currencies have so flooded many principal warring nations that economic chaos has reigned, even for six whole years after war ceased.

4th. Dr. Adam Smith declared that the cry of all ages was for "more money," notwithstanding the channels of trade were amply supplied.

5th. The real truth in the United States today is that money is about the cheapest thing in it (rates 60 years ago were about double those today), brought about through increased savings of capital, but not through cheap currency inflation, as proved by exorbitant rates in late years under wild inflation in Europe. The trouble the world over seems not a lack of money, but a lack of collateral on the part of the "hard ups." This unfortunate condition was brought about largely by the World War; great inflation as a forced method to carry on the war; intoxication of the masses as to rising prices, valued in debased currencies (gold remaining practically stable, subject only to the inexorable law of supply and demand for commodities, etc.); the masses becoming inspired that the debauch never would end, conservatism was scrapped through overexpansion of credit, stabilization being wrecked. But, alas! the bubble bursts, credit is destroyed and the aftermath of a wild debauch brings on inevitable deflation, which no power on earth can prevent.

6th. We must not forget that great wars breed inflation of prices and floods of irredeemable currencies, with the result that, say, one-half of the people through credits and payrolls are robbed, while some fill their coffers.

But, presto! change, the bubble bursts, inevitable deflation follows and the other half are in the throes of financial distress. The morale of the masses is lowered and "cure-all balsams" are prescribed superabundantly. Discontent results; therefore, let us briefly consider as a panacea.

The Fallacies of Managed Currencies.

Notwithstanding that Russia, Poland, Austria and Germany have proved beyond controversy that "managed currencies" have brought about economic chaos there, and now concede that "stability" can only come through the gold standard, yet some good men seem infatuated with giving the badly intoxicated patients another drink as a sure cure for their malady.

"Managed currencies" the world over seem as unstable in purchasing power as the amount outstanding bears to the wealth and credit of the issuer.

For example, in the Eighteenth Century to "stimulate business" France issued up to 45,000,000,000 assignats, and soon repudiated the whole. Will the war I. O. U.'s of Russia, Poland, Austria and Germany ever be redeemed?

Has not history proved throughout the ages that "managed currencies" are as unstable as human judgment and as shifting in credit as the sands of the sea?

After inflation we do not know that any remedy was ever

devised whereby inevitable deflation can be attained without serious losses to many. Only those who have not ventured too far from shore can be expected to be saved. Nature's laws call for penalties for errors of judgment.

The Quantity Theory of Money.

As to the "quantity theory of money regulating prices," I admit that under a gold standard it has some force, yet the law of supply and demand for commodities, etc., is the main underlying factor in the case. A larger factor is when that law is aggravated by the Bible record of nature's famines and days of plenty or when "managed currencies" wreck all prices.

As to "stabilizing the dollar," I am willing to rest on my 1920 answer to Prof. Irving Fisher. Permit a few quotations therefrom:

"In 1800 the per capita circulation of the United States approximated \$5. It now exceeds \$50. Will anyone claim that price levels in the United States are ten times those of 1800?"

"That great statistician, Michael G. Mulhall, in his 'Dictionary of Statistics' quotes Professor Jevons as to price levels at, say, 100 in 1782, as against 77 in 1869, a fall of 23 per cent. Mulhall also quotes Professor Spallart for 100 years of world price levels as follows: 'Agricultural products have risen 13 per cent, and manufactures have fallen 43 per cent in price levels from 1782 to 1884.' Sauerbeck's tables, according to Mulhall, seem to confirm these figures.

"During that same period Mulhall says that money among the nations increased nearly fivefold. With these facts, not theories, presented on a world-wide scale, covering a period of a whole century, if price levels declined while money increased fivefold, may we not well ask what solid ground is there for concluding that the 'quantitative theory of money' practically rules the general level of prices?"

"We conclude that local or temporary conditions are so contradictory in results that conclusions based on them favorable to any side of an argument can be found in abundance."

As gold has been generously produced since 1850; as the nations of the world gradually adopted it as their standard and discarded "cheap substitutes" up to 1914 as a delusion and a snare; as the world now holds an ample quantity to do the world's business, and as mismanaged inflation of irredeemable I. O. U.'s have brought economic chaos to many great nations, does it not seem that the true path to approximate stability can only be found under a gold standard as a foundation for such an amount of currency issues as will not destroy general confidence that such issues will be promptly redeemed in gold, which at all times is always acceptable the world over?

Query: May we not well ponder this question? If London, long the acknowledged world's gold-standard financial center, should adopt a fluctuating "managed currency," how soon would that former leadership be transferred to New York city under our gold standard?

Finally, as to the great questions raised by Arthur Kitson, Professor Keynes and others, decrying banking monopoly, including other interests trending in that direction, thus skimming the cream from the nations at large to enrich the exchequers of the monopolists in the great centers, I am in entire accord. But when these eminent men call for the destruction of the gold standard, which has proved the greatest stabilizer the world ever knew, and call for a substitute cure as uncertain as the shifting sands of human judgment, I must most respectfully dissent.

As to sobering off after a wild debauch, without a headache, I am not aware that any smooth balsam has ever been found.

Nature's laws demand penalties for misconduct. The millennium seems not yet at hand.

How Much Money Actually Circulates?

S. P. PANTON, Big Creek, Cal.

I am very glad to see your leading article of April 30 about the Federal Reserve banks and the terror of banks evinced by business men. Of course, almost every man is afraid of the banks. If not now in the power of a bank, he knows that he is likely to be, or to have to apply for bank credit, and he must stand in a favorable light.

Not long ago I sent you my interpretation of the official statements of \$4,754,772,754 money in circulation. On April 16 I wrote the same analysis to R. J. Grant, Director of the Mint, and stated:

"This leaves \$3,410,272,754 of the alleged circulation missing, being neither in the banks nor the hands of the people. If in existence, where is it? Is it in some secret cold storage where neither banks nor people can find it? On what grounds can it be alleged to circulate?"

"Are not official statements, especially of the Treasury, intended to convey accurate and reliable information? We occasionally read of large sums of United States money being exported. Does this account for much of the discrepancy?"

Herewith I enclose copy of Mr. Grant's reply. Note especially what he says of the stated circulation:

"It does include hoarded moneys and those, in unknown amounts, destroyed beyond possibility of redemption, and those lost."

He doesn't give any term of years for the lost and destroyed money, and you know the annual waste of small coin and small notes is considerable, and must total an enormous aggregate during 25 or 50 years.

In reply to this letter I told Mr. Grant that when Mr. McCoy estimates hoarded money he should be careful not to define it as "in the tills and pockets of the people," where alone is the actual circulation. Also that any observing and thinking person, mixing with the people of mountain and prairie states from the Mexican to the Canadian line as I have the past nine years, would be forced to the conclusion that there couldn't be much more than \$4 per capita in those states; that I attended a business meeting at Boise, Idaho, in 1921, where it was agreed that the Idaho circulation didn't exceed \$5 per capita, two bankers present concurring; that I was well aware of the fact that the Federal Reserve banks had first requisitioned the gold from member banks and then most of their remaining cash, which accounted for the fact that the \$43,000,000,000 deposits June, 1924, rested on only \$911,500,000, or about \$2.12 per \$100 of deposits, and statements of many country banks show only about \$1.25 cash to \$100 deposits, etc.

There has not been an accounting of even consumption of coin in the arts, or partial only. Thirty years ago it was stated that no account was taken of \$5000 daily melting of gold coin by the Dueber Watch Case Co.

It is surprising to read of 2000 banks that don't report.

Your statement in the issue of April 30 of importations of iron and pipe demonstrates the truth of Mr. Frewen's statements as to the influence of low exchanges, this force never changing. Observe that by far the largest importations are from France and Belgium, because the United States dollar, that formerly bought about 5¼ francs, or its value in products of those two countries, now buys almost, if not quite, 20 francs.

Had not the Dawes plan drastically contracted and enhanced German exchange, no doubt imports of German iron and pipe would have equaled or exceeded the imports from France or Belgium.

Following is copy of the letter to Mr. Pantan from the Director of the Mint:

Treasury Department.

Washington, April 23.

Mr. S. P. Pantan, Big Creek, Cal.

Dear Sir—Please accept my thanks for the information

concerning the Canadian note circulation which accompanied your letter of April 16, 1925.

Relative to your other letter of same date, concerning the circulation of money in the United States, the following is submitted:

The estimate of Mr. McCoy, Treasury actuary, mentioned by you as the total amount of money in the pockets and tills of the people, was actually an estimate of the amount hoarded (or kept out of actual circulation), consisting of moneys kept in old stockings or other hiding places, those contained in children's savings banks, in safety deposit boxes, etc. This estimate of \$433,000,000 hoarded was made in 1924. I note your statement that "the amount estimated to be in the hands of the people, and the only amount actually in circulation, is the \$433,000,000, or rather less than \$4 per capita." Surely no informed or thinking person would estimate the actual circulation of the United States at so low a figure as \$4 per capita.

The total money in circulation July 1, 1924, as quoted in your letter from the reports of the Director of the Mint and the Comptroller of the Currency, was \$4,754,772,754. A reference note contained in the reports mentioned that the stock of money includes United States paper currency in circulation in foreign countries; this should be considered as including the United States territories of Alaska, Hawaii, Porto Rico, etc. The amount does not include United States coin in foreign countries to the extent that exports of such coin have been reported to the Treasury. It does include hoarded moneys and those, in unknown amounts, destroyed beyond the possibility of redemption, and those lost; it also includes the moneys held in about 2000 banks in this country which do not report to the Comptroller of the Currency, as well as those contained in the banks which do report.

With reference to your comparison of the amounts of cash held by banks, other than Federal Reserve banks, in June, 1914, and June, 1924, will state that it is a well-known fact that considerable amounts formerly held outside of the Federal Reserve banks have during the interval in question been transferred to the Federal Reserve banks.

Respectfully,

R. J. GRANT, Director of the Mint.

Note by S. P. Pantou:—The reference note in Treasury reports as to inclusion of United States paper money circulating in foreign countries is applied only to the total money stock, stated at \$8,746,513,527. There is no such reference note relating to the \$4,754,772,754 alleged circulation, nor intimation that any deductions are to be made from this sum.

Why Baton Rouge Opposes the Proposed Mississippi River Bridge at New Orleans.

JOHN H. McLAUGHLIN, Secretary-Manager Baton Rouge Chamber of Commerce.

I note in the May 28 issue of the MANUFACTURERS RECORD an article by Thomas Ewing Dabney of New Orleans, entitled "To Bridge or Not to Bridge the Mississippi River at New Orleans," which would be rather misleading to anyone not acquainted with the actual facts in the case.

A statement is made that all of New Orleans and most of the Mississippi Valley interests are in favor of building a bridge at this point along the lines indicated. There is stronger opposition to this type of bridge than this statement would indicate, not only in Baton Rouge but also in other sections of the Mississippi Valley. He also calls attention to the fact that an organization calling itself the American Steamship Association has joined the fight on this type of bridge. I am sure you will have no difficulty in identifying this association, as it is composed of practically all of the important steamship lines in the United States, if not in the world.

In regard to the demonstrations by tank steamers which Mr. Dabney speaks of, he fails to state that in the first demonstration representatives of the Standard Oil Company, the city officials, the Chamber of Commerce and the entire board of United States Army engineers, appointed by the War Department to take evidence in regard to this bridge,

were on board this boat. His statement in regard to the result of this test was also somewhat misleading.

It was brought out in the hearing May 27, before General Taylor, chief engineer of the War Department, in Washington, that the various railroads have not as yet evinced any great interest in the building of this bridge at New Orleans.

Baton Rouge has never at any time opposed the building of a bridge at the city of New Orleans, but it has opposed, and is opposing, the type of bridge proposed by the Public Belt Railroad Commission as a serious menace to river navigation above the location of this bridge.

For your information, and to give you a clear idea of just what the opposition of this bridge is based upon, we are mailing you under separate cover a copy of the latest brief compiled by the city of Baton Rouge and the Baton Rouge Chamber of Commerce, which sets forth our objections and the reasons very clearly.

In one of the circulars sent with the foregoing letter appears the following statements:

"Telegrams sent out by the Association of Commerce and city officials of the city of New Orleans in regard to the proposed bridge across the Mississippi River at New Orleans are misleading to anyone who may not be in entire touch with the situation as it exists in regard to this bridge. These telegrams would lead one to believe that the only interests which are opposing the type of bridge as planned are the Standard Oil and allied interests.

"In the first place, the city of Baton Rouge and the Chamber of Commerce have never been and are not now opposed to the building of a bridge across the Mississippi River at New Orleans, but the city of Baton Rouge and the Chamber of Commerce are vigorously opposing, and have so gone on record before the board of the United States Engineers as opposing, the low type of bridge advocated by the Public Belt Railroad Commission and the city of New Orleans as a serious menace to the free use and navigability of this great waterway. We are basing our objections on the testimony of the greatest navigators of the country, as well as upon the testimony of the Baton Rouge Steamship Pilots Association. The United States Government has spent hundreds of millions of dollars on the development of the great waterways of the Mississippi Valley. The proposed bridge would menace this great commerce at the only point of ingress and egress—the mouth of the Mississippi River.

"The city of Baton Rouge, the Chamber of Commerce, the Baton Rouge Dock Committee, as well as many other interests along the river, are opposing the proposed type of bridge because it will unquestionably be a menace to navigation and retard not only the development of Baton Rouge as a port, but also, we believe, have a serious effect on the commercial development of the entire Mississippi Valley."

Want to Change Cotton-Buying Methods.

New England cotton mills are said to be backing a movement to eliminate the present practice of attaching sight draft to bill of lading in buying American cotton, which thus requires them to pay in full for the cotton before it is received. They want to substitute methods followed in buying Egyptian cotton, which call for the payment ten days after the arrival of the cotton at its destination.

This idea of eliminating the sight draft has been raised for several years, but this new movement is said to be much stronger, having the backing of a larger proportion of New England cotton mills than ever before. It is reported that the matter has been taken up with the Cotton Committee of the Arkwright Club, and it will be discussed between the Cotton Committee and the representatives of the New England Cotton Buyers' Association some time this month with a view to including suitable provisions in the "New England Terms for Buying and Selling American Cotton" when these terms are revised this summer.

Robeson County Commissioners, Lumberton, N. C., have sold \$235,000 of bonds to the Continental and Commercial Trust and Savings Bank, Chicago, at \$244,851.

THE IRON AND STEEL SITUATION

Heavy Consumption of Steel.

Pittsburgh, Pa., June 8—[Special.]—The volume of steel buying has not diminished in the past week and may perhaps have increased a trifle. There was slightly more buying in May than in April. The showing is very favorable for the reason that the down-swing which began in February was fully expected to continue into July at least; consequently trade sentiment is much improved.

Mill operations undergo a scarcely perceptible decrease from week to week. The big decrease occurred in April. March production was at 93 per cent of capacity and first-quarter production at 91 per cent. Early in May operations got down to a 70 per cent rate, but even now it is doubtful whether they are as low as 6.5 per cent.

Steel buying seems to have been running at over 50 per cent of mill capacity for several weeks past. This buying is all for very prompt shipment, except in the case of structural steel, and the difference between the buying and the rate of production and shipments is made up of old orders, rails being a conspicuous item.

Steel consumption is in excess of current shipments, as buyers have been very anxious for weeks past to liquidate all stocks. In the first quarter of the year there was an excess of production over consumption. How much the excess was no one knows. If it was large, the excess of consumption over current shipments is correspondingly large; if it was not large, consumption was very large in the first quarter, and consumption has increased rather than diminished since then.

Thus whichever way one takes it consumption of steel has been, and is, large, and in excess of the average consumption in 1923 and 1924, for production in those years averaged 74 per cent of mill capacity.

Consumption cannot reasonably be expected to increase over the present high rate, but there is little definite prospect of serious decrease. Freight-car manufacture is the most unpromising item at the moment, as there has been very little buying of late and the car shops are near the end of their orders. The situation may change any time. For instance, it is said that if or when the Nickel Plate consolidation is approved by the Interstate Commerce Commission orders will be placed for 20,000 cars for the new system, which would be equivalent to nearly two months of normal car buying.

The off-period for agricultural implement manufacture is at hand, but it is predicted the works will have a more active summer than usual. Automobile production, which reached a new high record rate in April, has not yet begun to taper off.

The steel market did not give as good account of itself in the past week as in five previous weeks, as there was a decline of \$2 a ton in plates, now quotable at 1.90c to 2.00c, Pittsburgh. The decline is important in itself and may have an adverse influence on shapes and bars, which have been quotable at 2.00c to 2.10c for six weeks. In fact, it is said now that it takes a smaller bar order than formerly to command the lower figure. The previous decline in plates was three months ago, so that the market is merely slipping very slowly. Sheets have shown further declines, black selling down to 3.10c, while the special price of 4.30c on automobile sheets has been applied to a wider range of sales. Additional weakness is reported in wire products in the West, the Pittsburgh district and the East remaining quite steady on the basis of 2.50c for plain wire and 2.75c for nails.

Pig iron production in May was at 13 per cent under the

April rate and at 18 per cent under the March rate, the highest rate this year.

The buying movement in foundry pig iron, which began about three weeks ago, continues at a fair pace. The market is much more active than for three months previous, but the movement does not begin to measure up in tonnage to various movements of the past. The buying is induced in small part by slightly increased foundry operations and in large part by prices, which are approximately as low as at any time since the war. That the market is not expected to go lower is indicated by the fact that some buyers would like to contract to the end of the year, while furnaces refuse to commit themselves beyond September at present prices.

Bessemer and basic, the steel-making grades of pig iron, remain very quiet.

Connellsville coke remains quiet, there being no activity whatever in spot furnace coke. Contracts for third quarter or second half are being made slowly and at very close prices. Spot foundry coke has been more active in the past three weeks than formerly.

With three successive 50-cent advances, heavy melting steel scrap, delivered Pittsburgh district, reached a level of \$17.50 to \$18 about ten days ago. The market shows less strength now, but is not quotably lower.

Starting to Buy Pig Iron.

Birmingham, Ala., June 8—[Special.]—Pig-iron buying in the South has started in, though it cannot be said that a buying movement is under way. Decline in quotations of from \$1 to \$2, and a dire need for iron are the principal reasons given for the purchasing movement as it is, and hope is expressed that negotiations heard of will materialize and a large quantity of iron be sold for third-quarter delivery. So far only a comparatively small proportion of the probable make of the next 90 days has been sold, but the better feeling noted is spreading and the prospects are that during the remainder of the month the selling will be steady and the third quarter get off to a fairly good start. It is not to be denied that there is a considerable tonnage of iron on furnace yards in this territory, but with a steady melt this can be worked off with the probable make right along. The quotations are now stated at \$21 per ton, No. 2 foundry, Birmingham base, and reports continue that a shading of \$1 per ton is to be obtained. The survey of the iron-melting conditions of the South shows the cast-iron pressure-pipe trade still good, many lettings in hand and other business in sight. These interests have all their plants in full operation, quotations at \$40 per ton, six-inch and over, with a shading of \$1 per ton. Much pig iron is melted in the course of time by the pressure-pipe makers, and this tonnage is greater now than heretofore for the reason that one company has in operation an addition which practically doubles its production.

The lagging or pessimistic feeling is more noticeable in the cast-iron, soil-pipe and fittings trade, the market being unsettled, keen competition bringing prices down and other adverse feeling noted.

The foundry and machine shop trade is doing fairly well in this district. The three larger plants are still busy and have assurance of activity through almost the remainder of the year. Sugar machinery and repair work in this class, for Cuba use, gives some work to the Joubert & Goslin Machine & Foundry Co. and Birmingham Machine & Foundry Co., while the Hardie-Tynes Manufacturing Company has Government work and a large amount of machinery and engine building under way. The smaller foundries and machine

shops in this district are receiving more contracts. The Dixie Brass & Foundry Co. has also received numerous jobs recently, and some export business is enjoyed, as the Dovel patented furnace blocks are being produced and shipped to all sections where there are any blast-furnace operations.

Announcements of the past week were of great interest. The formal opening of the high-line railroad, extending from the steel mills at Fairfield-Ensley to the summit of Red Mountain, whence come the ore supplies of the Tennessee Coal, Iron & Railroad Co., took place Monday, and in the caboose of a train, which was made up of 41 cars of ore, was Judge E. H. Gary, chairman of the board and finance committee of the United States Steel Corporation; President George Gordon Crawford and Vice-President H. C. Ryding of the Tennessee Coal, Iron & Railroad Co., besides representatives of the press. The railroad will expedite the hauling of ore and at the same time reduce the price of hauling.

All four of the open-hearth furnaces of the new steel mill of the Tennessee Coal, Iron & Railroad Co. at Fairfield are in operation, and the announcement is made that the new, modern sheet mill will be completed and in operation the latter part of July. The plant will attract a number of smaller industries to this section.

The Ensley steel mill during May broke the month's record in ingots, turning out 112,535 tons of steel, against 110,500 tons previously. Practically all departments of the plants of the Tennessee Coal, Iron & Railroad Co. are going at capacity and not a very large amount of finished products are in the warehouses. Orders for various products are being received and the prospects are the remainder of the year will see as much activity among the steel mills here as the first half of the year had. The Missouri Pacific Railroad, for instance, has divided its order for 3000 tons of tie plates with three steel companies, the Tennessee Coal, Iron & Railroad Co. to furnish some of them. The tie plate mill here is capable of producing around 10,000 tons monthly.

Presence of Judge E. H. Gary, chairman of the board and finance committee of the United States Steel Corporation, in the Birmingham district, his coming being for inspection with ease of the numerous works of the Corporation, a view of the country hereabout and for observation by medical experts of the district as to his diet, has aroused much interest here. Mrs. Gary is with the Judge and social attentions are being accepted only from time to time. The visit may cover 10 days to two weeks and longer.

The coal-mining trade is holding its own, time of year and other conditions obtaining. The production is around 350,000 tons the week. Steam coal is quiet. Domestic coal dealers are expected during the next 30 days to begin preparing for the coming fall and winter.

The coke market remains steady, the quotations being around \$5 per ton for foundry coke.

The scrap iron and steel market is still lagging, with quotations low, but dealers are confident that a change will be noted soon. Yards are being kept in good condition. Railroads in this district have a large amount of old material. Heavy melting steel has taken on new activity recently here as in other sections of the country.

PIG IRON.

No. 2 foundry, 1.75 to 2.25 per cent silicon, f. o. b. furnaces, \$20.00 to \$21.00; No. 1 foundry, 2.25 to 2.75 per cent silicon, \$20.50 to \$21.50; iron of 2.75 to 3.25 per cent silicon, \$21.00 to \$22.00; iron of 3.25 to 3.75 per cent silicon, \$21.50 to \$22.50; iron of 3.75 to 4.25 per cent silicon, \$22.00 to \$23.00; charcoal iron, f. o. b. furnaces, \$30.00.

OLD MATERIAL.

| | |
|---------------------------------|--------------------|
| Old steel axles | \$17.00 to \$18.00 |
| Old iron axles | 18.00 to 19.00 |
| Old steel rails | 13.00 to 14.00 |
| Heavy melting steel | 13.00 to 14.00 |
| No. 1 cast | 16.50 to 17.00 |
| Stove plate | 13.00 to 14.00 |
| No. 1 railroad wrought | 12.00 to 13.00 |
| Old car wheels | 15.00 to 16.00 |
| Old tramcar wheels | 16.50 to 17.50 |
| Machine shop turnings | 7.00 to 8.00 |
| Cast-iron borings | 8.00 to 9.00 |
| Cast-iron borings (chem.) | 15.00 to 16.00 |

RAILROADS

Seaboard Air Line's Florida Plans Officially Outlined.

Legal notice has been published in Florida of intention to apply for a charter for the Seaboard-All Florida Railway Co. to build contemplated extensions of the Seaboard Air Line Railway system, of which plans mention has been made. They include a proposed line which would, by the construction of about 15 miles of track, connect Naples, Fla., and Fort Myers, Fla., this by junction with the Naples, Seaboard & Gulf Railway, which is organized or being organized; also another line northward from Fort Myers to Arcadia, Fla., about 40 miles, or else to a connection also with the Seaboard system at or near Fort Ogden, about 28 miles, or to another connection at or near Venice, Fla., about 50 miles, all of these points being in counties adjacent to the west coast of the state. It is also alternately contemplated to build—instead of either of these or maybe in connection with one or more of them—a line directly northeast from Fort Myers to near Avon Park, Fla., about 80 miles, where connection would be made with the Palm Beach extension of the Seaboard system.

The capitalization of the proposed new company is nominal, being only \$5000, but it may contract indebtedness to the extent of \$25,000,000 to fulfill its plans. G. M. Bishop, J. P. Snyder and W. T. Spencer, all of Baltimore, are the applicants for the charter.

Why the Texas-Mexican Railroad Was Not Sold.

Laredo, Texas, June 6—[Special.]—A sale of the Texas-Mexican Railroad, the 161-mile line between Laredo and Corpus Christi, has been blocked by the Mexican Government, according to definite information to this effect received here from Mexico City. Both the Missouri Pacific and the Southern Pacific systems were negotiating for the road and the peculiar condition of its ownership caused these negotiations to be carried on both in New York and Mexico City. Although the railroad is wholly in the United States and is subject to state and Federal laws, 51 per cent of its stock is owned by the Mexican Government and nominally it is considered a part of the National Railways of Mexico system. This was true of it in fact as well as in name up to the time the Mexican Government took over the operation of the National Railways as a military expedient several years ago. Since then the managerial officials of the Texas-Mexican have been making their reports and accountings direct with the representatives of the minority owners of the National Railways in New York. The majority ownership, however, continues to be vested in the Mexican Government, and it is stated that President Calles is averse to selling and segregating the property from the parent system at this time.

Silas W. DeWolf of Laredo, vice-president and general manager of the Texas-Mexican, confirmed the report that offers for purchase of the line were made by both the Missouri Pacific and the Southern Pacific.

"These overtures did not meet with success," Mr. DeWolf said. "Instead of selling out to one of the larger American systems, the Texas-Mexican is contemplating important improvements of its own. The National Railways of Mexico looks upon the prospective opening of the deep-water port at Corpus Christi as of great traffic importance, and by retaining the Texas-Mexican it will share in this new business.

"Our road is now on its feet financially," DeWolf continued. "We made money this year for the first time. All our expenses are being paid out of the general revenue, and

last week we placed an order for eight new locomotives. Other equipment will be purchased from time to time. Through our connection with the National Railways of Mexico we expect to become formidable competitors with the Southern Pacific and the Missouri Pacific in south Texas and the Rio Grande Valley.

"If either the Southern Pacific or the Missouri Pacific acquired the Texas-Mexican, it would bottle up the unsuccessful bidder," DeWolf asserted. "That is what is making our line so valuable, and we are not going to sell out or consolidate with anybody."

Railroads South Continue to Make Records.

The net railway operating income of the Class 1 railroads during April this year was \$66,199,236, an increase of \$3,900,709, as compared with the same month of last year. Although the gross operating revenues of these lines for the month this year were \$473,496,550, a decrease of \$1,735,600, with similar comparison, the operating expenses totaled \$370,623,400, a decrease of \$7,203,500, notwithstanding the railroads carried about 5 per cent more freight traffic this April than they did in April, 1924. Net operating income is what is left after paying operating expenses, taxes and equipment rents, but before interest and other fixed charges are paid.

Net railway operating income of the same railroads for the first four months of this year amounted to \$270,104,080, which was at the annual rate of return of 4.38 per cent on their property investment, which compares with a return of 4.45 per cent for the same period of last year.

Class 1 railroads in the Southern district during April this year had net operating income of \$12,135,990, as compared with \$11,020,880 in April, 1924, and freight traffic was about 8 per cent more. Gross operating revenues of these Southern lines in April totaled \$67,393,550, an increase of 2½ per cent, and operating expenses were \$50,052,650, a decrease of nearly 1 per cent. Net operating income of these roads for the first four months of this year was \$53,184,680, which compares with \$49,666,000 for the same period of last year.

Powerful Eight-Wheeled Switching Engines.

An eight-wheeled switching locomotive of entirely new design has just been completed and turned out of the Pennsylvania Railroad's Juniata shops at Altoona, Pa. This locomotive, known as "Class C-1," is the first to be delivered on an order for 50 placed with the Altoona Works several months ago. This type of engine was designed and built to meet a growing need for more powerful switching locomotives at terminal points and hump yards where heavy freight trains are shifted and classified. It has cylinders 27 inches in diameter by 30 inches stroke, and the driving wheels are 56 inches in diameter. Steam pressure is 250 pounds per square inch. The weight of the locomotive in working order is 275,000 pounds and its tractive force is 76,000 pounds. The 50 locomotives will be distributed to various points on the system as required.

Another Record Week in Freight Traffic.

Revenue freight loading for the week ended May 23 totaled 986,209 cars, according to reports filed by the carriers with the Car Service Division of the American Railway Association. This exceeded by 1293 cars the preceding week when the previous high record for the year was established. It was also an increase of 67,985 cars over the corresponding week last year, but a decrease of 29,323 cars under the corresponding week in 1923, which was a record freight traffic year.

The present freight movement is being met without car

shortage, the railroads having more than 327,000 surplus freight cars in good repair and immediately available for service, as compared with 170,000 surplus freight cars at the same time last year. At the same time in 1923 there was a shortage of more than 20,000 cars.

The increase in the number of cars loaded the week of May 23 was largely due to an increase in shipments of grain and grain products, although there were increases also in the loading of miscellaneous freight and livestock.

Since January 1 last there have been loaded 19,421,103 cars, an increase of over 681,600 cars as compared with the same period of last year.

Florence, Ala., to Paducah, Ky.

The Florence, Clifton & Paducah Railroad Co., capital stock \$25,000, has been incorporated at Florence, Ala., and contemplates building a line about 175 miles long eventually from there to Paducah, Ky., via Hollywood, Waynesboro, Clifton, Parson and Matfield, Tenn. A. P. Campbell, president, and others of Florence are interested, including Miles W. Darby, vice-president; W. L. Foy, secretary and treasurer, and William H. Mitchell, attorney. George R. Johnson of Waynesboro, Tenn., general manager, and S. M. Porter of Caney, Kan., have been engaged to obtain rights of way, make preliminary surveys, etc., preparatory to filing application with the Interstate Commerce Commission for permission to build the railroad. Others of Florence interested are W. M. Richardson, R. W. Drane, R. E. Meade and H. L. Reeder. It is also contemplated to build a branch to Savannah, Tenn.

For Development of Harbor in James River.

Discussing plans for the development of a harbor in James River, an ambitious undertaking which is being promoted by the Department of Public Works of Richmond, Va., R. Keith Compton, director of the department, advises the MANUFACTURERS RECORD that plans include a deep-water harbor about four and one-half miles down the river, where ocean-going vessels may be handled; an intermediate harbor at Richmond and a harbor of lesser depth in the present canal. These plans, it is said, are based on an accurate geological and topographical survey of the James River by the Department of Public Works from the Lock Gates to a point about six and one-half miles down the river, in which the lay of the rock underlying the bed of the river has been determined.

In addition, an industrial survey has been made by the Technical Advisory Board. The plans also include a belt-line railway connecting all five trunk-line railroads with the deep-water terminal.

Alabama Power in \$100,000,000 Merger.

Birmingham, Ala.—By the terms of a merger agreement recently consummated, the Alabama Power Co. of this city consolidates with the Birmingham-Montgomery & Gulf Power Co. and the Sheffield Co., the new organization retaining the name of the Alabama Power Co. The combined capital stock of the three companies was \$81,000,000, this to be increased to \$100,000,000.

It is stated that the Birmingham-Montgomery & Gulf Power Co. owns rights on the Tallapoosa River, while the Sheffield Co. formerly operated utility properties serving Sheffield, Florence and Tuscumbia, which have recently been sold to the Alabama Power Co. and the Consumers Water Co.

The merger has been approved by the Alabama Public Service Commission, the present officers and directors of the Alabama Power Co. to remain as officers and directors of the consolidated company.

TEXTILE

Contract for Brighton Mills.

Shannon, Ga.—Contract has been awarded by the Brighton Mills, Inc., Passaic, N. J., to the Fiske-Carter Construction Co. of Greenville, S. C., for the erection of their proposed mills here, and to the Daniel Lumber Co. of Lagrange, Ga., for building 65 dwellings. Mill buildings will consist of a two-story structure for spinning, 345 by 134 feet; one-story weave shed of daylight construction, 505 by 153 feet; warehouse and boiler house. The plant will be equipped with 24,752 spindles and will manufacture fabric for cord tires. J. E. Sirrine & Co. of Greenville, S. C., are the engineers.

Machinery Contract for Hosiery Mill.

Clinton, Tenn.—Machinery contracts have been awarded to the Textile Machine Works of Reading, Pa., by the Magnet Knitting Mills who are to build a \$300,000 hosiery mill here. Plans for the new mill are being prepared by J. E. Sirrine & Co. of Greenville, S. C., who will supervise construction. The building will be approximately 100 by 250 feet, two stories and basement, of fireproof construction. In connection with its expansion program the Magnet Knitting Mills will increase their capital stock from \$300,000 to \$600,000.

Bids for Erection of Hosiery Mill.

Chattanooga, Tenn.—Bids will be received until June 20 for the erection of the new hosiery mill building here for the Davenport Hosiery Mills, T. Walter Fred, president. The structure will be of reinforced concrete and brick, 100 by 233 feet, two stories, with provision for adding two additional stories later. This unit will cost approximately \$750,000, with equipment, and will have a capacity of 1000 dozen pairs of full-fashioned hose per day. It will employ from 500 to 600 operatives. Lockwood, Greene & Co. of Atlanta are the engineers.

Pepperton Mills to Electrify Plant.

Jackson, Ga.—The Pepperton Cotton Mills of Jackson, Ga., recently reported to build a new steam plant for their mill at Jackson, advise the MANUFACTURERS RECORD that their plans have been changed and they are now preparing to electrify the mill, purchasing power from the Central of Georgia Power Co. Contracts for the installation of motors have not been awarded, but are expected to be let at an early date. Lockwood, Greene & Co., Atlanta, are the engineers.

Viscose Corporation Awards Contract.

Roanoke, Va.—Contract for the erection of five buildings as an addition to the plant here of the Viscose Corporation of Virginia has been awarded, it is said, to John P. Pettyjohn & Co. of Lynchburg. The buildings will be of reinforced concrete and brick and construction work is expected to begin within a week or two. One of the structures will be approximately 1000 feet long. The Viscose Corporation manufactures artificial silk.

Plan Cotton Mill for Lake Charles.

Lake Charles, La.—Plans for the establishment of a cotton mill at Lake Charles are being considered by the Lake Charles Association of Commerce, which is open for propositions from cotton-mill operators. Lake Charles enjoys a favorable deep-water freight rate, good labor conditions, bountiful supply of fresh water and other natural advantages.

New Knitting Mill for Catawba.

Catawba, N. C.—A contract has been awarded by Dr. C. A. Little and Oscar Sherrill for the erection of a building to be equipped and operated by the Elliott Knitting Mills of Hickory, N. C., for the manufacture of hosiery. The structure will be 36 by 70 feet.

Gluck Mills to Build Addition.

Anderson, S. C.—Plans and specifications have been completed and bids will be received until June 15 by the Gluck Mills for an addition to their plant here. The mill extension will be 75 by 150 feet, one story, with a warehouse addition, 100 by 50 feet, two stories.

Mills to Build \$200,000 Warehouse.

Martinsburg, W. Va.—Plans have been made by the Interwoven Mills, Inc., to build a \$200,000 warehouse here, the structure to be four stories, 120 by 150 feet. It will be of reinforced concrete, with concrete foundations, all building details to be handled by the company. Alexander Merchant of New Brunswick, N. J., is the architect.

Buys Anniston Knitting Mills.

Anniston, Ala.—The plant and business of the Anniston Knitting Mills Co. has been purchased by A. B. W. Pruet, president of the Anniston National Bank, at a reported price of \$206,000. It is understood that the plant will continue for the present under the direction of E. Lee Field, president of the company, and will operate to full capacity.

Higher Spinning Dividends in Lancashire.

Manchester, May 19—[Special.]—An average dividend of 8.17 per cent per annum was paid by 30 Lancashire cotton-spinning companies for the three months ended April, compared with 7.33 in January, 4.76 in October, 3.49 in July and 2.73 in April, 1924. The total paid-up ordinary share capital of the 30 companies is £2,977,885 and the aggregate spindle-age 3,385,734.

Seventeen companies, with a total paid-up ordinary share capital of £3,680,125 and 2,017,430 spindles, made an average payment for the six months ended April of 4.59 per cent, against 3.32 each in October and April, 1924.

Long Hours in Cotton Raising.

Athens, Ga., June 8—[Special.]—Figures just compiled by the State College of Agriculture here, from a survey covering more than 600 farms in the coastal plains area of Georgia, show that even when cotton produces a bale to the acre it does not pay the farmer more than \$1 an hour for the time he spends on it, and that where less than a bale to the acre is produced the returns are much less. A survey of 249 farms showed that 132.5 hours of man-labor were expended to produce an acre of cotton under present conditions.

Sugar cane, the survey showed, demanded the most time per acre from the farmer, requiring 282.9 hours of work per acre to produce a crop, while wheat, oats and rye required the least labor, only 18.4 hours being devoted to them per acre.

The following table shows the hours of man-labor required by some of the principal crops grown in the state:

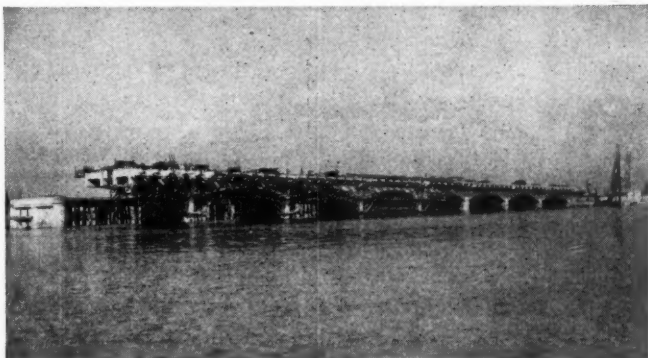
| | Hours |
|-----------------------------|-------|
| Sugar cane | 282.9 |
| Cotton | 132.5 |
| Sweet potatoes | 131.0 |
| Corn and velvet beans | 37.1 |
| Corn | 36.3 |
| Wheat, oats and rye | 18.4 |

The number of mule-hours required per acre, the report shows, follows closely the number of man-hours required.

GOOD ROADS AND STREETS

Construction on Ashley River Bridge.

Construction is proceeding steadily on the Ashley River bridge near Charleston, S. C., which when completed will involve the expenditure of more than \$1,115,000. The accompanying photograph shows the progress made. The Sanford



CONCRETE AND STEEL BRIDGE UNDER CONSTRUCTION OVER ASHLEY RIVER AT CHARLESTON, S. C.

& Brooks Co., Baltimore, has the general contract for the bridge and approaches. The Phoenix Bridge Co., Phoenixville, Pa., has contract for the bascule span superstructure.

This bridge is a very important link in the Coastal Highway, Quebec to Key West. It will be 43 feet wide, with a driveway 35 feet wide, with walks on either side.

Georgia Contracts Total \$306,000.

East Point, Ga.—Seven state-aid road and bridge projects to cost more than \$306,000 have been awarded by the State Highway Board at its office here. Work will consist of 17.5 miles of topsoil road to cost \$141,546; 10.5 miles of surface treatment, \$36,358; 4.5 miles of resurfacing penetration macadam, \$13,757; 3.75 miles of macadam, \$60,064, and construction of seven bridges, \$54,789. The next regular meeting of the Board will be held at East Point on June 26.

\$180,000 of Bridge Bonds Sold.

Springfield, S. C.—Bonds in the amount of \$180,000 to build a two-mile bridge over the Santee River between Orangeburg and Clarendon counties have been sold by the Clarendon-Orangeburg Bridge Commission, C. F. Burgdoff, Springfield,

chairman. Kauffman, Smith & Co. of St. Louis are the purchasers on a bid of par and \$8411.

The commissioners have tentatively selected Pinckney's Landing as the location of the bridge and work is expected to begin within 90 days. Plans are being prepared in the office of the State Highway Department at Columbia.

Batesville Paving to Cost \$236,000.

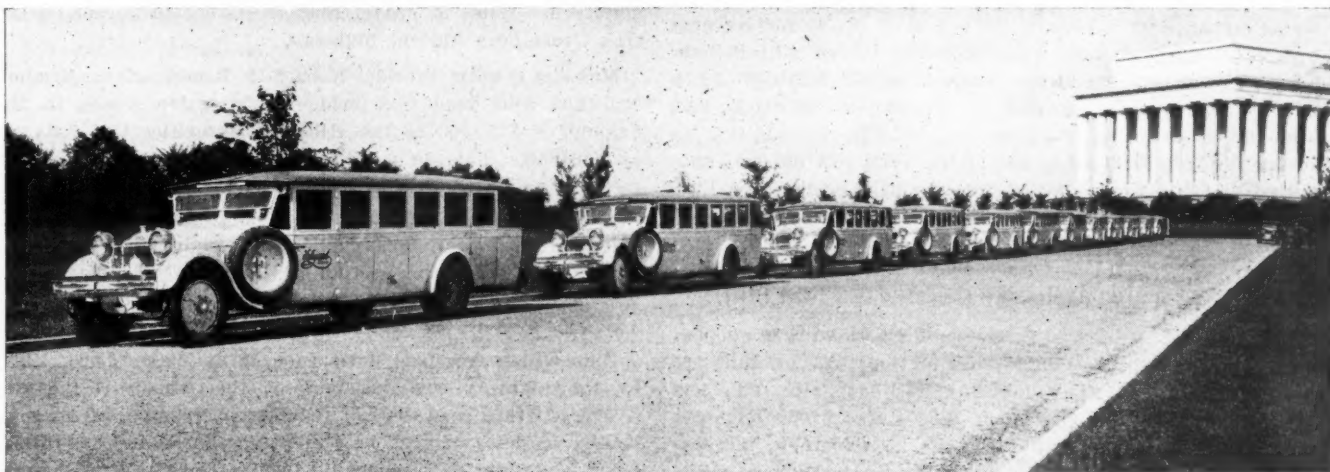
Batesville, Ark.—Contracts have been awarded to the Kearney Construction Co. of Memphis, Tenn., for paving, curbing and guttering on five residential streets in this city at a total cost of \$236,000. Plans call for Warrenite bithulitic pavements with sheet asphalt surfacing. Work will begin at once and is expected to be completed by January 1.

How Motorbuses Are Used in Florida Real Estate Development.

Automobile busses are now bringing thousands of real estate prospects hundreds of miles to Southern subdivisions and developments. Particularly is motor transport playing an important role in the investigation of Florida properties. Outstanding among those who are using busses for prospective purchasers are Coral Gables, Inc., and the Hollywood Land & Water Co.

About thirty White busses are used for carrying home-seekers to Coral Gables—Miami Riviera; this development in the suburbs of Miami is to involve the expenditure ultimately of \$100,000,000. One bus recently brought passengers who bought lots for a total of \$81,000. This particular development has been made possible by advertising and transportation. After acquiring a fleet of busses the company made an intensive campaign of the winter resorts of Florida with a view to securing the active interest of people from all over the country. Parties of prospects were organized and carried from 300 to 500 miles and over, bringing them to Coral Gables. So successful has this plan proved that these busses are now extending their operations to many Southern cities, including Atlanta and Birmingham. The developers feel that the motorbus has proven a successful vehicle of real estate salesmanship, and that the advertising value of such vehicles and their utility in transporting prospects grows steadily more effective.

A regular schedule was maintained of six-day sightseeing tours from such cities as Daytona, Jacksonville, Tampa,



VIEW OF MOTORBUS FLEET AS DELIVERED IN WASHINGTON.

These are the busses used by the Hollywood Company in transporting passengers from all parts of Florida.



THREE OF THE BUSES USED IN CONNECTION WITH CORAL GABLES DEVELOPMENT.

Palm Beach, Orlando, St. Petersburg, Lake Worth, Sarasota, St. Augustine, Fort Pierce, Eustis and Kissimmee. For several months an average of 20 bus tours weekly was maintained, each bus carrying an average of 21 passengers. The longest one-day run was 250 miles between St. Petersburg and Titusville. Round trips are made daily between West Palm Beach and Coral Gables, a distance of 150 miles. Another service provided by the same interests is a bus line covering the four miles between downtown Miami and Coral Gables. One bus traveled more than 17,000 miles in less than 5 months.

The Hollywood Land & Water Co., which contemplates the expenditure of \$15,000,000 for a deep-water harbor to encourage the establishment of industries some 15 miles from Miami, uses busses in a manner similar to that employed by Coral Gables. It has just placed an order for 37 additional White busses, model 50-A, which will give the company a fleet of 61 busses.

Lowest Bids Total Over \$516,000.

Richmond, Va.—The total of lowest bids recently submitted to the Virginia Highway Commission for the construction of approximately 18 miles of road and several bridges amount to more than \$516,000. Work will include 9.183 miles of concrete in four projects to cost \$336,333; 3.275 miles of bituminous macadam in two projects, \$110,665, and 5.406 miles of topsoil road to cost \$63,850. In addition to several bridges included in the above work, low bid was submitted at \$5918 for the superstructure of a bridge over Lick Creek.

To Top 1200 Miles at Cost of \$3,500,000.

Austin, Texas, June 6—[Special.]—Plans have been adopted by the State Highway Commission for topping 1200 miles of graveled or macadamized highway with asphalt. The cost will be approximately \$3,500,000, it is stated. The Highway Commission, it is said, will urge the legislature to increase the tax on gasoline from one cent to three cents a gallon and money derived from this source would be used as a basis for issuing \$150,000,000 of bonds for building roads.

Sells \$250,000 of Paving Bonds.

Tuscumbia, Ala.—Street improvement bonds to an approximate amount of \$250,000 have been sold by the city of Tuscumbia to I. B. Tigrett & Co., Jackson, Tenn., at par and accrued interest. Proceeds from the sale of the bonds will be used for street paving, gutters, sidewalks and storm sewers.

Notes on Good Roads Construction.

Graves county, Kentucky, will vote August 1 on a \$400,000 bond issue for building roads.

Lynn County Commissioners, Tahoka, Texas, are considering an election on a bond issue of \$500,000 for the construction of hard-surfaced roads and the improvement of lateral highways.

Contracts have been awarded by the State Highway Commission, Frankfort, Ky., for surface treatment, in oil and tar, of 280 miles of roads in 29 counties of the state at a total cost of \$222,911.

The Louisiana Highway Commission, Baton Rouge, will receive bids until June 18 for the construction of approximately five miles of gravel road in Ascension parish on the Oak Grove-Port Vincent highway.

Manatee county, Florida, Robert H. Roesch, clerk, Bradenton, has sold road and bridge construction bonds in the amount of \$450,000 to the Hibernia Securities Co., Atlanta, at \$491,994. This is a portion of an issue of \$1,500,000 recently validated by the legislature.

The City Council of Childress, Texas, has awarded a contract to the Jordan Construction Co., Plainview, Texas, for paving the residential section of the city. The pavements will be of brick on a four-inch base of concrete, filled with asphalt. Cost of the work will exceed \$250,000.

Bids will be received until June 15 at Waynesboro, Miss., by the highway commissioners of the Woodward-Pleasant Grove separate road district for the construction of approximately 18 miles of road on the Waynesboro-Laurel highway. Plans and specifications are on file at the office of the chancery clerk, Waynesboro, and information may be obtained from J. L. Wheelless, engineer, Hattiesburg.

LUMBER AND BUILDING MATERIALS

Lumber Purchases Continue Large.

Washington, June 4.—Three hundred and two leading commercial softwood lumber mills of the United States, report by wire to the National Lumber Manufacturers Association new business for the week ending May 30 as 20 per cent in excess of the corresponding period of 1924. Shipments showed almost as much of a gain and there was a 5 per cent increase in production. On the other hand, there was a falling off in all three factors as compared with the preceding week.

The unfilled orders of 244 Southern Pine and West Coast mills at the end of last week amounted to 23,901,074 feet, as against 658,085,549 feet for 250 mills the previous week. The 131 identical Southern Pine mills in this group showed unfilled orders of 245,413,260 feet last week, as against 249,943,770 feet for the week before. For 113 West Coast mills the unfilled orders were 378,487,814 feet, as against 408,141,779 feet for 119 mills a week earlier.

Altogether the 362 comparably reporting mills had shipments 105 per cent and orders 94 per cent of actual production. For the Southern Pine mills these percentages were, respectively, 107 and 100, and for the West Coast mills 116 and 99.

Of the comparably reporting mills 338 (having a normal production for the week of 216,117,713 feet) reported production 102 per cent of normal, shipments 109 per cent and orders 98 per cent.

The following table compares the national lumber movement as reflected by the reporting mills of seven regional associations for the three weeks indicated:

| | Past week | Corresponding week 1924 | Preceding week 1925 (revised) |
|------------------|-------------|-------------------------|-------------------------------|
| Mills | 362 | 358 | 380 |
| Production | 235,757,504 | 225,424,327 | 249,671,966 |
| Shipments | 248,299,451 | 206,423,684 | 251,963,808 |
| Orders | 222,058,262 | 177,647,933 | 243,671,190 |

The following revised figures compare the lumber movement for the first 22 weeks of 1925 with the same period of 1924:

| | Production | Shipments | Orders |
|---------------------|---------------|---------------|---------------|
| 1925 | 5,277,903,270 | 5,221,954,235 | 5,070,985,895 |
| 1924 | 5,284,841,828 | 5,254,801,213 | 4,938,696,536 |
| 1925 Decrease | 6,938,558 | 32,846,978 | |
| 1925 Increase | | | 132,289,359 |

The Southern Pine Association reports from New Orleans

LUMBER MOVEMENT FOR TWENTY-TWO WEEKS, AND FOR WEEK ENDING MAY 30.

| | Production | | Shipments | | Orders | |
|--|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| | 1925 | 1924 | 1925 | 1924 | 1925 | 1924 |
| Southern Pine Association: | | | | | | |
| Total | 1,702,419,429 | 1,740,808,070 | 1,650,599,264 | 1,719,196,069 | 1,631,726,609 | 1,634,997,332 |
| Week (131 mills) | 74,566,999 | 70,413,391 | 79,422,180 | 68,995,344 | 74,891,670 | 50,734,224 |
| West Coast Lumbermen's Association: | | | | | | |
| Total | 2,196,400,061 | 2,161,813,137 | 1,264,203,453 | 2,230,645,916 | 2,230,006,929 | 2,046,357,046 |
| (Week (113 mills) | 97,031,277 | 89,906,982 | 112,148,734 | 89,230,067 | 96,189,892 | 79,823,209 |
| Western Pine Manufacturers' Ass'n: | | | | | | |
| Total | 640,956,000 | 669,587,000 | 660,716,000 | 658,653,000 | 637,223,000 | 644,360,000 |
| Week (32 mills) | 33,243,000 | 34,420,000 | 27,277,000 | 23,387,000 | 28,551,000 | 23,575,000 |
| California Redwood Association: | | | | | | |
| Total | 170,402,000 | 198,561,000 | 156,038,000 | 163,471,000 | 155,540,000 | 160,078,000 |
| Week (15 mills) | 7,129,000 | 9,574,000 | 8,088,000 | 7,023,000 | 6,533,000 | 3,939,000 |
| North Carolina Pine Association: | | | | | | |
| Total | 185,283,680 | 177,612,621 | 182,284,318 | 178,022,928 | 144,920,357 | 148,251,158 |
| Week (47 mills) | 8,888,628 | 7,650,854 | 9,035,137 | 8,328,073 | 5,393,700 | 4,295,500 |
| Northern Hemlock and Hardwood: | | | | | | |
| (Softwood) total | 61,498,000 | 49,000,000 | 55,655,000 | 50,786,000 | 43,667,000 | 42,321,000 |
| Week (15 mills) | 1,108,000 | 1,746,000 | 1,889,000 | 1,782,000 | 1,246,000 | 891,000 |
| Northern Pine Manufacturers' Ass'n: | | | | | | |
| Total | 189,156,100 | 179,377,000 | 180,991,200 | 181,578,300 | 169,348,000 | 194,045,000 |
| Week (9 mills) | 10,055,600 | 9,322,100 | 8,130,400 | 6,378,200 | 6,966,000 | 4,879,000 |
| General total for 22 weeks | 5,146,115,270 | 5,176,758,828 | 5,150,487,235 | 5,182,353,213 | 5,012,431,895 | 4,870,409,536 |
| Northern Hemlock and Hardwood: | | | | | | |
| (Hardwood) (22 weeks) | 131,788,000 | 108,083,000 | 71,467,000 | 72,448,000 | 58,554,000 | 68,287,000 |
| California White and Sugar Pine: | | | | | | |
| Total | *311,601,000 | 269,397,000 | 399,372,000 | 308,987,000 | 381,227,000 | |
| Week (8 mills) | 10,265,000 | 13,356,000 | 10,799,000 | 9,809,000 | 9,838,000 | 13,386,000 |
| General total for week | 235,757,504 | 225,424,327 | 248,299,451 | 206,423,684 | 222,058,262 | 177,647,933 |

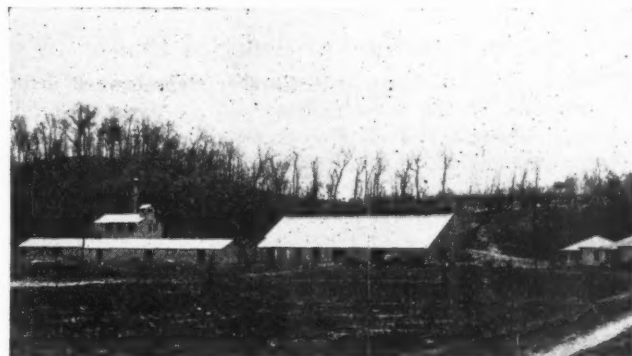
*Revised figures not included in general totals. Represents about 75 per cent total production California pine region.

that for the 131 mills reporting, shipments were 6.51 per cent above production, while orders were 0.44 per cent above production and 5.70 per cent below shipments for last week. Of the 85 mills reporting running time, 80 operated full time, including 21 on overtime, 9 of the latter on double shift. Four mills were shut down and the rest operated from one to five days. Production ran a little ahead of the preceding week, shipments declined about 7,000,000 feet and orders fell off about 5,000,000 feet.

The North Carolina Pine Association of Norfolk, Va., reports a small decrease in production, a good gain in shipments and a large decrease in new business last week as compared with the previous week.

\$250,000 Lime Plant Completed.

Batesville, Ark., June 6—[Special.]—The Batesville White Lime Co. has completed and placed in operation its \$250,000 plant in the upper White River Valley. It will manufacture chemical and structural lump lime, chemical and structural hydrate, crushed and sized quick lime in tight barrels and



NEW PLANT OF BATESVILLE WHITE LIME CO.

in moisture-proof lined jute bags, hydrated lime in 40 and 50 pound kraft bags and a household 10-pound package.

For the past 15 years this concern, under the name of the Arkansas Lime Co., has operated a large lump-lime plant at Ruddells in Izard county.

The new plant is located five miles west of here on the

Cushman branch of the Missouri Pacific. The quarry is two miles from the plant, near Bethesda and the two are connected by a narrow-gauge industrial railroad.

The burning department has three direct-flame kilns of 600 barrels daily capacity, wood being used for fuel. The entire hydrating process is mechanical, insuring uniformity.

The company owns 400 acres, with a depth of limestone of 125 feet. It is high in lime values.

Primary drilling will be done with a No. 4 Keystone well drill. Secondary drilling will be with Sullivan rotator air drills, the air to be furnished by a Chicago pneumatic compressor. The stone will be hand sledged, and all the one-man size loaded into two-yard Koppel cars and transported to the kilns by a seven-ton Whitcomb gasoline locomotive. Howe packers are used for handling lump lime, bagged and barreled.

Lime to be hydrated is first passed through a No. 1 Sturtevant crusher, and is elevated to a storage tank, from which it goes into a six-cylinder Kritzer continuous hydrater. Passing from the hydrater, the lime goes into a Raymond air mill and then into an air-tight steel tank, from which it is fed by gravity into a four-tube Bates packer. A 100-horsepower Type Y Fairbanks-Morse oil engine will furnish power for the hydrating plant.

Pine Institute of America Plans.

Atlanta, June 8.—[Special.]—Further steps toward definite organization of the Pine Institute of America were taken recently when the founders' committee met here at the call of Chairman O. H. L. Wernicke, president of the Pensacola Tar Turpentine Company of Gulfport, Fla. Final plans for organization were worked out and will be presented at the next annual meeting of the naval stores men, it was announced at the close of the meeting.

The objects of the Institute, as announced by Chairman Wernicke, will be the conservation of timber, reforestation and expansion and promotion of the pine-tree products industry. The Pine Institute of America will do for the naval stores industry of this country what similar institutes are doing for the engineering, merchandising and other industries in solving problems and bettering general conditions.

Among the leading naval stores men attending the founders' meeting were O. H. L. Wernicke, inventor of the Globe-Wernicke sectional bookcase and originator of the present naval stores profession in this country, and H. H. Wefel, Jr., president of the H. H. Wefel Company of Mobile; also, O. Anthony Cosner, secretary of the Central Commercial Company, Chicago; J. C. Nash, president of the Columbia Naval Stores Company, Savannah; John H. Pace, president of the Baldwin-Lewis-Pace Company, Jacksonville; R. U. Newton, president of the Newton Naval Stores Company, Brooklyn, Miss.; J. T. Skelly, vice-president of the Hercules Powder Company, Wilmington, Del., and Dr. Franklin S. Clark, president, Georgia Pine Turpentine Company, Collins, Ga.

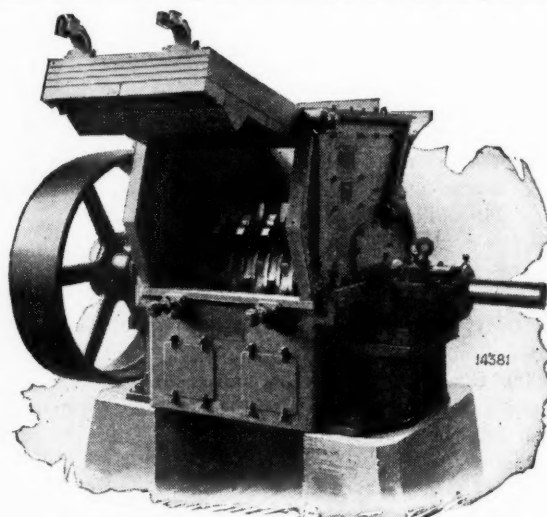
Alabama Sawmill Managers Association.

Birmingham, Ala.—At a meeting in this city of managers and superintendents of lumber manufacturing companies of western Alabama, the Alabama Sawmill Managers Association was organized for the purpose of helping in solving problems which arise in the lumber industry, also to devise improvements in logging and manufacturing methods, processes and machinery, and to promote the more thorough utilization of forest material. Officers of the association include: F. E. Tuxworth, Sylacauga, president; Basil E. Kenney, Fayette, vice-president, and John F. Andrews, Birmingham, treasurer. The board of directors will meet in Birmingham on June 24 to adopt by-laws, determine a program and select a date for the next meeting of the association.

MECHANICAL

New and Improved Coal Crusher.

The new type of machine here illustrated is especially designed to reduce in one operation run-of-mine coal to a uniform product consisting of smaller pieces and with a less amount of fines than has heretofore been practical. It is the Jeffrey Rigid Hammer Crusher, built by the Jeffrey Manufacturing Co. of Columbus, Ohio, who say that it has hitherto been necessary to screen out and again put through



CRUSHER WITH BREAKER PLATE RAISED.

a crusher oversize pieces until the desired results were obtained, and that such work naturally reduces capacity, besides adding to the expense of preparing coal.

The smaller-sized product turned out by this new machine is required for chain grate stokers, for preliminary reduction in pulverized fuel plants, and is also often desirable for preparing inferior fuels for clean and rapid combustion. The picture shows the general appearance of the crusher with the hinged breaker plate raised, disclosing the interior arrangement, including the crusher teeth and the internal liners. In a test under actual plant operating conditions, it is stated, one of these machines of 42 by 36 inches consumed only one-third horsepower per ton when crushing at the rate of 100 tons per hour, and the results showed that 99 per cent of the product passed through a $\frac{3}{4}$ -inch mesh screen and 44 per cent through a $\frac{1}{4}$ -inch screen, with intervening screens giving results proportionately. Only 11 per cent passed through a 20-mesh screen.

With an assortment of machine sizes and by adjustments within each size a complete range of capacities and products from a few tons to hundreds of tons per hour is available. Adjustments are made in the breaker plate or screen bar spacing, also by regulating the speed of the crusher rotor, and the same adjustments make it possible to produce large or small pieces with any one of the machine sizes. In the test mentioned the screen bars were spaced three-quarters of an inch apart and the rotor was run at 220 revolutions per minute.

Moore Mills to Incorporate.

Cowpens, S. C.—It is announced that the Moore Mills of Cowpens, which recently took over the Cowpens Cotton Mill, will make application for a charter under which it will operate the plant. The new company will be capitalized at \$80,000, with Malcolm Moore as president.

CONSTRUCTION DEPARTMENT

EXPLANATORY

Additional information is published about all enterprises mentioned in this department as soon as such data can be obtained.

An asterisk (*) following an item indicates that the enterprise has been reported in a preceding issue.

DAILY BULLETIN

The Daily Bulletin is published every business day to enable its subscribers to follow up promptly the industrial, commercial, railroad, financial, building and general business development of the South and Southwest. To machinery manufacturers and dealers, contractors, engineers, and others who require daily information of every new enterprise organized and details about important additions to enterprises already established, the Daily Bulletin is invaluable. Subscription price, \$20.00 a year.

Airplane Plants, Stations, Etc.

Ga., Atlanta—City contemplates erecting \$50,000 mooring mast for dirigibles at municipal flying field; reported. Address City Clerk.

Bridges, Culverts and Viaducts

Ala., Albany-Decatur — State Highway Dept., Montgomery, receives bids July 8 for bascule span superstructure and machinery, for highway bridge across Tennessee River; H. H. Houk, Bridge Engr.; Harrington, Howard & Ash, Const. Engr.; plans from W. S. Keller, State Highway Engr.*

Ala., Alexander City — State Highway Comm., Montgomery, receives bids July 8 for overhead crossing on Central of Georgia R. R., on Alexander City to Kellyton road; W. S. Keller, State Highway Engr.

Ala., Gadsden—State Highway Comm., Montgomery, received low bid from C. G. Kershaw Contracting Co., Woodward Bldg., Birmingham, for bridge across Coosa River at Broad St.; cost \$400,000.*

Fla., Jacksonville—Duval County plans 7 bridges and approaches. See Road and Street Construction.

Fla., New Smyrna—See Road and Street Construction.

Fla., Sarasota—Sarasota County Comms. let contracts to Walter J. Bryson Paving Co., Acorn St., Jacksonville, for 2 timber highway trestle bridges on Sugar Bowl road; 763 ft. over Myakka River, \$16,335; over Cowpen Slough, \$5430.*

Georgia—State Highway Dept., East Point, let contracts for 5 bridges. See Road and Street Construction.

Ga., Milledgeville—State Highway Dept., East Point, let contract to Story Construction Co., Augusta, at \$17,500, for 2 creosoted timber bridges at Milledgeville.*

La., Baton Rouge—East Baton Rouge Parish Police Jury let contract to R. T. Y. Louden for 3 wooden bridges on Zachary-Slaughter road; to H. P. Burbank, Marine Bank Bldg., New Orleans, for bridges in sub-road dist., including Easy Town, Colonial Hills.

La., Covington—Louisiana Highway Comm., Raymond Bldg., Baton Rouge, receives bids June 30 for Salt Bayou Bridge on New Orleans-Mississippi Highway, St. Tammany Parish, 113-ft. creosote pile trestle, seven 19-ft. panels, 28,000 F. B. M. creosoted lumber, 4000 F. B. M. untreated lumber; plans on file; W. B. Robert, State Highway Engr.

La., Jena—See Road and Street Construction.

La., Winnfield—Louisiana Highway Comm., Raymond Bldg., Baton Rouge, receives bid June 30 for 399-ft. creosoted trestle Saline Bayou bridge on Winnfield-Chestnut Highway between Winn and Natchitoches Parishes; plans on file; Wm. B. Robert, State Highway Engr.

Md., Hagerstown—State Roads Comm., 601 Garrett Bldg., Baltimore, received low bid from Forbes, Murphy Construction Co., at \$16,980, for triple-span reinforced concrete arch bridge over Licking Creek, on National Pike, between Hancock and Hagerstown.*

N. C., Elizabeth City—Pasquotank County Highway Comm. will build 10 culverts and 1 bridge. See Road and Street Construction.

N. C., Salisbury—Rowan County plans toll bridge at Reeves' Island, about 20 mi. east of Salisbury, connecting Rowan and Davidson Counties.

Oklahoma—State Highway Comm., Oklahoma City, will build 6 bridges and culverts. See Road and Street Construction.

Okla., Taloga—Dewey County Comms. plan bridge on Putnam-Leedey state road; replace present bridge.

S. C., Spartanburg—Spartanburg County Highway Comm. let contract to Hooks & White, Charlotte, at \$11,831, for concrete overhead bridge across C. C. & O. R. R. tracks at Mayo.*

Tenn., Greenville—Green County Court let contract to Lutten Bridge Co., Atlanta, Ga., at \$28,000, for 311 ft. 2 track concrete bridge across Nolachucky River, near site of old Bird's Bridge.*

Tenn., Knoxville—Louisville & Nashville R. R. Co., W. H. Courtenay, Ch. Engr., Louisville, let contract to Gould Contracting Co., Davenport, Iowa, for 1000-ft. bridge over Tennessee River, West Knoxville; cost \$250,000; let contract to American Bridge Co., New York City, for 1200 tons structural steel.*

Tenn., Nashville—Chamber of Commerce interested in building bridge on Memphis-to-Bristol Highway at Trotter's landing, near Johnsonville.

Tex., Houston—City, J. C. McVea, Engr., preparing plans for 3 bridges over Ship Channel: Between Southern Pacific R. R. Bridge and Turning Basin, cost about \$200,000; replace McKee St. Bridge; near North Side disposal plant.

Va., Roanoke—Virginia Railway Co., H. Fernstrom, Ch. Engr., Norfolk, plans erecting bridge over tracks at Jefferson St. near station.

Canning and Packing Plants

Ga., Rising Fawn—J. J. Moody & Son, Atlanta, interested in cannery.

Miss., Hattiesburg — Willis Guild, Mgr., American Canning and Pickle Co., will install \$40,000 equipment.

Tenn., Melvine—Melvine Canning Co., capital \$10,000, incorporated; S. H. Blackburn, G. T. McWilliams.

Clayworking Plants

Ala., Cordova—L. L. Stephenson, 2027 Fourth Ave., N., Birmingham, let contract to Bessemer Engineering Co. for grading and construction work on brick plant; will erect 14 kilns; daily capacity 60,000; cost \$30,000.*

Coal Mines and Coke Ovens

Ky., Basket—Universal Coal Co., Owensboro, acquired The Jennings coal mine, including about 200 acres.

W. Va., Grafton—C. E. Huff of Greensburg, Pa., leased 63 acres in Taylor County known as Jerry Run Coal Co., will develop.

W. Va., Welch—Kingston-Pocahontas Coal Co., A. B. Rawn, Gen. Mgr., Huntington, W. Va., will move offices to Welch.

Concrete and Cement Plants

Fla., Miami—Gardner Concrete Co., capital \$25,000, incorporated; F. C. Weed, M. C. Weed.

Fla., Sarasota—Sarasota Cement Products Co., capital \$50,000, incorporated; J. F. Baumgartner, Robert P. Thacker.

Ky., Louisville—Universal Concrete Products Co., H. Eschenbrenner, Sec., New Martinsville, W. Va., contemplates building \$25,000 branch plant at Thirty-second and Woodland Ave., specialize in sewer pipe, reinforced concrete railroad pipe, etc.

Tenn., Nashville—W. A. Marks, interested in establishing plant to manufacture Dun-tile.

Tex., Dallas—American Concrete Products Co. incorporated; P. A. Ritter, 4901 Live Oak St.

Cotton Compress and Gins

Ark., Decatur—Decatur Compress Co. let contract to Grinnell Co., Inc., Providence, R. I., at \$50,000, for installation of sprinkler system.*

Miss., Friars Point—Friars Point Compress Co., capital \$75,000, incorporated; E. B. Quinn, Friars Point; F. L. Matthews, Hattiesburg.

Okla., Antlers—C. E. Dudley Gin Co., capital \$15,000, incorporated; C. E. Dudley, A. D. Chapman.

Okla., Carnegie—Farmers Co-Operative Gin Co. will construct concrete gin.

Okla., Carnegie—J. R. Thomas will construct cotton gin.

Tex., Midway—Will Forest will erect \$30,000 cotton gin.

Tex., Quanah—Watkins Gin Co., capital \$20,000, incorporated; G. A. Simmons, W. D. Watkins.

Tex., Valley View—Valley View Gin Co., capital \$25,000, incorporated; T. H. Ruth, L. M. Harris.

Cottonseed-Oil Mills

Tex., Hamilton—J. S. Poston, T. A. Franks and associates will incorporate company with \$60,000 capital; acquired and will operate Hamilton Cotton Oil Mill.

Tex., Huntsville—Huntsville Oil Mill Co., capital \$50,000, incorporated; T. C. Gibbs, R. W. Miller.

Drainage, Dredging and Irrigation

Ark., Horatio — Yahrus Brothers contemplate irrigation system for approximately 20 acres land; work includes storage reservoir and aerial pipes; estimated cost \$15,000; surveys by E. S. Byington.

Ark., Marion—Council Chute Drainage Dist. Comms., Wooten Anderson Chmn., have begun surveys for drainage system in Crittenden, Lee and St. Francis Counties, reclaiming about 10,000 acres; Morgan Engineering Co., Engrs., Goodwyn Inst., Memphis, Tenn.

Fla., Fort Pierce—City, W. Austin Smith, Mgr., will open bids about July 15 for \$100,000 drainage system; plans with City Engineering Dept.

Fla., St. Petersburg—McCreary & Morris, of Arcadia, have contract for 10 mi. drainage system for Arcadia Gardens, reclaiming holding of Stanley Co. and about 40,000 additional acres.

Mo., Vigus — Fee Fee Creek Levee & Drainage Dist., St. Louis County, capital \$10,000, Fred Wirth, Edgar Dallan, both St. Charles, Mo.

Tex., Austin—State Reclamation Dept. contemplates expending \$165,000 to extend and enlarge present levee system; B. F. Williams, State Reclamation Engr.

Electric Light and Power

Ala., Andalusia — Andalusia Light and Power Co., organized with T. E. Henderson, Pres., acquired light and power plant.

Ala., Birmingham—People's Hydro-Electric Power Co. granted preliminary permit for 2 yrs. by Federal Power Comsn., Washington, D. C., for power project on Coosa River in Calhoun, St. Clair and Etowah Counties; construct concrete dam 30 ft. high and 3000 ft. long near north end of Henry's Island.

Ala., Montgomery—Alabama Public Service Comsn. granted permission to Alabama Power Co., Brown-Marx Bldg., Birmingham, to construct transmission lines and sub-

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

stations to serve Haleyville, Columbia and Carrville.

Ala., Montgomery—Columbus Electric and Power Co., granted permission by Alabama Public Service Comsn. to issue \$2,000,000 refunding bonds.*

Ark., Blytheville—Arkansas-Missouri Power Co., Blytheville, granted permission by Arkansas Railroad Comsn., Little Rock, to issue \$500,000 bonds to be used in acquiring additional holdings in northeast Arkansas and to improve present holdings.*

Ark., Fayetteville—Southwest Power Co., 81 Broadway, New York, W. D. Miser, V.-P., reported having plans prepared by Wm. Hazen, Company Engr., for \$150,000 unit to double capacity of present plant; will install turbine and cooling plant.*

Ark., Green Forest—Home Electric Co., Ray Anderson, Pres., will install 60 h.p. oil engine at plant, Anderson Engine Co., Anderson, Ind., Mch. Contr.

Ark., Newport—City let contract to Arkansas Light and Power Co., Pine Bluff, for installation of white way system.

Ark., Paris—Ford and MacCrae, Gazette Bldg., Little Rock, has contract for engineering and supervision of dam across creek.

Ark., Stuttgart—Arkansas Light & Power Co., Pine Bluff, Ark., will erect 2 story building Sixth and Main Sts.; 60x90 ft.; pressed brick.

Fla., Arcadia—See Sewer Construction.

Fla., Arcadia—See Land Development.

Fla., Avon Park—E. D. Ellis, Mgr. Florida Public Service Co., 50 Pine St., New York, reported to extend electric lines to Lakemont, DeSoto City, Lake Stearns.

Fla., Bartow—See Land Development.

Fla., Belleair—See Water Works.

Fla., Boynton—See Land Development.

Fla., Crescent City—See Land Development.

Fla., Dania—See Water Works.

Fla., Fort Pierce—City, W. Austin Smith, City Mgr., opens bids about July 15 for \$25,000 white way system.*

Fla., Manatee—Chamber of Commerce interested in installation of white way.

Fla., Miami—Edward Clark, 1013 Brickwell Ave., developer of Silver Crest, and New Silver Crest will install white way lights.

Fla., Miami—C. D. Wallace, 101 S. E. First St., will install white way lights in The Hub, Webster Terrace and Commercial Silver Bluff subdivisions.

Fla., Miami—See Land Development.

Fla., Okeechobee—See Land Development.

Fla., St. Augustine—See Land Development.

Fla., St. Petersburg—See Water Works.

Fla., St. Petersburg—Pinellas County Power Co., Byrd M. Latham, Gen. Mgr., plans installation of 4 feeder lines.

Fla., Tampa—See Land Development.

Fla., Wauchula—See Land Development.

Fla., West Palm Beach—City, C. A. Bingham, Mgr., opens bids July 8 for ornamental lighting system, cost \$100,000, and sewer, cost \$400,000.*

Fla., Winter Haven—City reported considering installation of white way on Sixth St. Address The Mayor.

Ga., Waycross—National Public Service Corp. reported acquired Ware County Light and Power Co.'s plant and holdings.

Ky., Bowling Green—Kentucky-Tennessee Light and Power Co., granted preliminary permit for 2 yrs. by Federal Power Comsn., Washington, D. C., for power project at U. S. dams Nos. 4, 5, and 6 in Green River and No. 1 in Barren River.

Ky., Louisville—Louisville Hydro-Electric Co., granted preliminary permit by Federal Power Comsn., Washington, D. C., for 2 yrs. for development of power project on Green River in Edmonson and Bart Counties; construct dam 100 ft. high about 3 1/4 miles above entrance to Mammoth Cave.

Ky., Louisville—Louisville Hydro-Electric Co., 311 Chestnut St., subsidiary of Louisville Gas and Electric Co., applied to Federal Power Comsn., Washington, D. C., for permission to construct power dam at falls of Ohio River.

Ky., Louisville—Kentucky Hydro-Electric Co., granted preliminary permit for 2 yrs. by Federal Power Comsn., Washington, D. C., for development at U. S. Locks, Nos. 1 to 7 inclusive in Kentucky River, in Henry Owen, Carroll, Franklin, Anderson counties; develop 1600 h.p.

Mo., Cape Girardeau—Missouri Utilities

Co. applied to Highway Comsn., Jefferson City, for constructing power line.

Mo., Doniphan—South East Missouri Public Service Co., incorporated; Ray Treen, Ralph C. Treen.

Mo., Kirksville—State Public Service Comsn., Jefferson City, authorized merger of light, heat and power companies in Moberly, Huntsville, Boonville, Higbee, Kirksville and LaPlata; will organize Central Missouri Power & Light Co. and operate; will also increase capital stock.

N. C., Asheville—Carolina Mountain Power Co., increased capital \$2,800,000 to \$3,300,000.

N. C., Biltmore—See Water Works.

N. C., Brevard—Cascade Light and Power Co. is installing generator with transformer, construct transmission line from Little River to Brevard.

N. C., Waynesville—Haywood Power and Light Co. acquired water right of Lake Junaluska dam and will construct hydroelectric plant.

Okla., Grandfield—Southwestern Light and Power Co., Oklahoma City, has 25 year light and power franchise; will construct transmission line.

Okla., Tulsa—Federal Power Comsn., Washington, D. C., granted preliminary permit for 3 yrs. to Public Service Co. for power project in Grand River in Delaware and Ottawa Counties; construct dam across river developing head of about 40 ft.; 1700 h.p.

S. C., Allendale—City let contract to Young Electric Works, Augusta, Ga., for constructing white way system.*

S. C., Clinton—City is receiving bids for white way system, cost \$15,000. J. F. Jacobs, Mayor.*

S. C., Columbia—Central Carolina Power Co., granted preliminary permit for 3 yrs. by Federal Power Comsn., Washington, D. C., for power project in Broad River in Richland, Fairfield and Lexington Counties; will construct 2 dams, one 30 ft. high at Frost Shoals, 7 miles from Columbia, other 34 ft. high on Little River, 16 miles from Columbia; develop 15,400 h.p.

S. C., Gaffney—Lockhart Power Co. reported negotiating for power franchise.

Tenn., Columbia—See Water Works.

Tenn., Humboldt—City granted 30 yr. lease of electric light plant to Kentucky-Tennessee Light & Power Co., 61 Broadway, New York.*

Tenn., McKenzie—Kentucky-Tennessee Light and Power Co., 61 Broadway, New York, reported acquired municipal lighting plant.

Tenn., Nashville—Tennessee Electric Power Co., Hamilton National Bank Bldg., Chattanooga, will acquire plant and franchise of Monterey Light & Power Co.

Tenn., Rives—Public Utilities Comsn., Nashville, approved acquiring of franchise by Kentucky-Tennessee Light and Power Co., Bowling Green.

Tex., Orange—Stone & Webster, Inc., 24 Milk St., Boston, Mass., reported negotiating for Orange Light & Power Co.'s plant.

Va., Amherst—Lynchburg Traction and Light Co., 523 Main St., Lynchburg, acquired Amherst Light and Power Co.'s plant.

Va., Bedford—Town, R. W. Catlin, Mgr., let following contracts for hydraulic and electric machinery and head gates: To Westinghouse Electric & Manufacturing Co., East Pittsburgh, Pa., for one 312 and one 450 kva. vertical generator with direct connected exciter; to James Leffel Co., East St., Springfield, Ohio 300 h.p. and 450 h.p. vertical waterwheel; to H. Morgan Smith Co., York, Pa., 7 gate hoists, 5 motor operated, 2 manual; will pave headrace with concrete.

Va., Rocky Mount—John W. Hancock, representing American Electric Power Co., Witherspoon Bldg., Phila. Pa., reported acquired Rocky Mount Light and Power Co.

Flour, Feed and Meal Mills

Okla., Elk City—Davis Mill and Grain Co., capital \$15,000, incorporated; B. O. Davis, Henryetta Davis.

Tenn., Binghampton—Mississippi Valley Grain Co., capital \$50,000, incorporated; J. M. Trenholm, George J. Coleman.

Tenn., Nashville—Ford Flour Co., acquired Mill A of Liberty Mills and Colonial Milling Co.; acquired Mill B; will operate; H. O. Blackwood, Pres. Ford Flour Co., advises that company acquired Mill A, will renovate mill throughout, install new machinery, build 350,000 bu. elevator.

Foundry and Machine Plants

Ala., Bessemer—J. O. Heinze Tractor Corp., Bessemer Trust & Savings Bank, chartered; J. O. Heinze, A. E. Ausman.*

Ala., Gadsden—H. Wetter Manufacturing Co., Henry Wetter, Pres., let contract to the Ingalls Iron Co., 720 Ave. D., Birmingham, for main building of \$100,000 plant, 125x600 ft., with 60x60 ft. cupola building attached, steel, concrete and glass; later to build smaller buildings for machine shops, pattern dept., etc.*

Ky., Danville—Danville Welding & Machine Co., incorporated; S. H. Lipscomb, Geo. P. Crow.

La., New Orleans—Wonder Boilers, Inc., capital \$20,000, chartered, David Conovsky, 1505 Baronne St.; manufacture wash boilers, cookers, etc.

Md., Baltimore—Baltimore Tool Works, Inc., 43 S. Gay St., capital \$25,000, chartered; Jesse F. Hakes.

Miss., Jackson—Holcombe & Hoke Manufacturing Co., Indianapolis, Ind., reported, contemplate moving plant to Jackson; Wm. Arthur, Dist. Mgr.

N. C., Raleigh—W. H. Bond Co., capital \$25,000 incorporated; W. H. Bond, 614 Polk St.

Okla., Henryetta—Pittsburg Pipe & Supply Co., increased capital, \$10,000 to \$50,000.

Gas and Oil Enterprises

Alabama—Southern Gas and Power Corp., Bluefield, W. Va., reported to acquire Tri-City Gas Co., Gadsden, and Valdosta Gas Co., Valdosta, Ga.

Ark., Lonoke—Fletcher Development Co., capital \$50,000, incorporated; T. M. Fletcher, Jr., C. M. Connor.

Ark., Morphlet—City Council considering granting gas franchise.

Fla., Belleair—See Water Works.

Fla., Key West—See Land Development.

Fla., St. Petersburg—See Water Works.

Fla., Pompano—See Land Development.

Fla., Tampa—See Land Development.

Fla., Tampa—Tampa Gas Co. will erect gas holder on Third Ave., capacity 3,000,000 cu. ft.; 145 ft. in diam., 209 ft. high, steel construction; cost \$300,000; Bartlett-Hayward Co., 200 Scott St., Baltimore, Md., Contrs.*

Ga., Valdosta—See Alabama.

Ky., Ashland—James Turner and E. J. Evans both Paintsville, acquired tract of oil lands, reported to install compression plant for producing casinghead gasoline.

La., New Orleans—United Oil and Gas Syndicate, capital \$150,000, incorporated; S. Antoine, 1034 St. Claude St.

La., Union—Union Police Jury granted franchise to Ruston Gas Co., Ruston.

Md., Cumberland—Petroleum Development Co., capital \$100,000, incorporated; W. B. Robb and F. C. Denees.

Mo., Kansas City—Osborne Oil Co., incorporated; A. L. Harroun, 3621 Bellview St.

Okla., Cordell—Moseley-Myers Co., Oklahoma City, applied for franchises in Cordell, Clinton, Hobart and Altus.

Okla., Garber—Mid-Southern Oil and Gas Co., capital \$25,000, incorporated; L. S. Johnson, E. W. Lorton.

Okla., Grandfield—City granted franchise to Southwestern Light and Power Co., Lawton.*

Okla., Ponca City—Marland Oil Co., E. W. Marland, Pres., Tulsa, plans doubling capacity of refinery.

Okla., Sapulpa—Mistletoe Oil Co., incorporated; L. D. Hess, M. W. Williams.

Okla., Tulsa—Signal Gasoline Co. will erect 2 unit natural gasoline plant.

Okla., Tulsa—Gladys-Belle Oil Co., reorganized with Harrison S. Green, Pres.; company is subsidiary of Marquette Oil Co.

Tenn., Newbern—Southern Oil Co., Inc., let contract to New Lumber Co., Newbern, to erect tanks, 30,000 gal. capacity.

Tex., Breckenridge—Capital Oil and Gas Co., capital \$50,000, incorporated; S. R. McCorkle, R. H. McNeil.

Tex., Dallas—Municipal Gas Co., capital \$500,000, incorporated; Russell B., Stears Boston, Mass.; W. A. Parish, 3918 Mt. Vernon Ave., Houston.

Tex., Wichita Falls—Shamrock Oil Co., incorporated; C. S. Clark, J. M. Balridge.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Va., Mathews—Tidewater Oil, Gas & Realty Co., capital \$200,000, incorporated; Ellis C. Richardson, J. V. Hudgins.

W. Va., Charleston—Pike-Ohio Gas Co., incorporated; Dr. R. A. Ireland, Kansas Bank & Trust Bldg.

W. Va., Martinsburg—Sinclair Refining Co., 45 Nassau St., New York, reported to erect 3 tanks of 15,000 gal. capacity, warehouses, storerooms.

Ice and Cold-Storage Plants

Ark., Hot Springs—See Miscellaneous Enterprises.

Fla., Hollywood—Hollywood Cold Storage Co., capital \$75,000, incorporated; O. J. Morris, Pres.; A. M. Morris, Sec.

La., New Orleans—Arabella Ice Co., Inc., capital \$35,000, chartered; Jos. W. Lepine, Pres., 2816 Grand Route, St. Johns.

Mo., Shelby—Missouri Ice Co., O. L. Wright, Pres., acquired plant of the Shelby County Ice Co., will install raw water equipment, water softener, motor or oil engine drive; estimated daily capacity 22 tons ice (See Machinery Wanted—Ice Plant Machinery).*

Okla., Marietta—Citizens Ice and Cold Storage Co., capital \$15,000, F. B. Conrad, Chas. R. Reavis.

Tenn., Jackson—See Miscellaneous Enterprises.

Tex., Laredo—Mission Ice Co., 226 Rivas St., San Antonio, will remodel and build plant additions, 70x40 ft., brick, steel and concrete; day labor; L. Harrington & Co., Engrs., Houston Bldg., San Antonio.

Tex., Lufkin—S. F. McDonald will erect ice plant, capacity of first unit about 8 tons; later to add 20 ton unit; electrically operated.

Tex., Tyler—Home Ice Co. constructing \$25,000 building; J. J. Wagoner, Archt. and Structural Engr.

Tex., Victoria—Hill-O'Connor Co., capital \$90,000, incorporated; R. E. Hill, Pres.; let contract to E. Wagner, for 73x129 ft. plant; tile, concrete and stucco.

Iron and Steel Plants

Ala., Albany—Harry R. Davis, Sec., Decatur Cornc & Roofing Co., Inc., interested in establishing steel mill.

Land Development

Ala., Birmingham—Montgomery Real Estate and Insurance Co., 210 N. Twenty-first St., is developing subdivision in Arlington Place; expend \$60,000 for improvements, including water, sewers, electric lights.

Ala., Birmingham—Kamram Development Co., incorporated; James C. Puckett, 4905 Second Ave.; develop 464 acres.

Ark., Little Rock—H. C. Hackbarth, Little Rock Country Club, will construct golf course at Echo Valley Country Club; A. M. Lund, Engr.

Ark., Pike City—Johnson Orchard Co., W. S. Johnson, Pres., Arkadelphia, acquired land of Pike City Orchard and Live Stock Co.

Ark., Pine Bluff—L. W. Clements acquired 500 acres near Swan Lake.

Ark., Siloam Springs—John Clegg, Jack Thompson interested in development of golf course.

D. C., Washington—Charles H. Tompkins Co. has contract for improvements to Meridian Hall Park, including ornamental entrance, \$21,110, and erection of 357 ft. of wall, cost \$17,236.*

D. C., Washington—Peoples Realty & Investment Co., capital \$25,000, incorporated; Edw. A. Garvey, Peoples Insurance Bldg.

Fla., Arcadia—C. M. Gruber of West Palm Beach; Roy Saxon, Arcadia, acquired 64 acres land on Dixie Highway; develop subdivision; build boulevard and streets, install water, sewer, electric lights.

Fla., Avon Park—Calvin F. Thomas, local representative of Emil Anderson, Louisville, Ky., has plans for development of Lotola Park sub-division; will construct yacht basin, canal, roads, streets, lights, water, sewer.

Fla., Avon Park—Hugh Wear, Bartow, and associates reported acquired 240,000-acre cattle ranch; will develop.

Fla., Bartow—Sam Lusk will develop 18-acre subdivision; build hard surface streets; install water, sewers, electric lights.

Fla., Bartow—E. L. Rood, Bradenton, acquired 22,000 acres land; will develop.

Fla., Bartow—J. Forest Caldwell sold to Northern interests 22,000 acres of land for agricultural development.

Fla., Belleair—See Water Works.

Fla., Boynton—Ward B. Miller will develop Briny Breezes subdivision; construct 60-ft. streets, 5-ft. sidewalks, water works, electric lights; yacht mooring basin 60x1400 ft.

Fla., Center Hill—Sumter County Land Co., capital \$50,000, incorporated; R. S. Caperton, Center Hill; E. N. Phillips, Hopewell, Va.; acquired 1340 acres; will develop.

Fla., Crescent City—H. E. Fitzgerald, Sec. of J. M. Wood & Co., 113 Orange Ave., acquired 60 acres of land, will develop subdivision; install sidewalks, electric lights, water works, roads and street, expend \$35,000; E. S. Bowden, Anchor Construction Co., Contr., Stone & 19th Sts., Jacksonville; A. F. Ranney, Constr. Engr., 116½ Orange Ave., Daytona Beach.*

Fla., Crystal River—Crystal Heights Development Co., capital \$25,000, incorporated; L. F. Wyndham, G. T. Hinman.

Fla., Daytona—Florida Realty Associates, Inc., N. A. Perryman, Pres., Atlanta, Ga., acquired 440 acres of land between Daytona Beach and Inlet Terrace; develop subdivision.

Fla., Daytona—City Commrs. acquired Garrison tract for development of park.

Fla., Fernandia—F. C. Brown, Jacksonville, acquired 320 acres; develop subdivision.

Fla., Fort Lauderdale—Taylor Development Co., incorporated; B. Frank Taylor, T. F. Fleming.

Fla., Fort Myers—Snell Bros., Inc., capital \$1,000,000, incorporated; G. E. Snell, Percy G. Snell.

Fla., Fort Pierce—Maraville Plaza, Inc., capital \$10,000, incorporated; Richard S. Walton, Z. T. Hoehn.

Fla., Fort Pierce—Sunrise Development Co., capital \$24,000, incorporated; J. M. Wilson, M. A. Cellon.

Fla., Haines City—Interior Properties Co., capital \$25,000, incorporated; Jess P. Ferrill, D. B. Shea.

Fla., Homestead—J. L. Burton, W. R. Crow will develop 40-acre subdivision.

Fla., Jacksonville—Fifty Associates Co. increased capital, \$250,000 to \$500,000.

Fla., Jacksonville—Arthur T. Williams, 7 W. Forsyth St., reported to have acquired St. Johns Bluff, military reservation of 117 acres.

Fla., Jacksonville—N. D. Suttles & Co., 300 W. Forsyth St., acquired 55 acres of land on Old Sherry Drive; will develop Selva Marina, subdivision.

Fla., Jacksonville—Bay Shore Co., capital \$75,000, incorporated; H. H. Buckman, 133 Copeland St.

Fla., Jacksonville—Hogen Properties, capital \$25,000, incorporated; Howard S. Holt, C. E. Wimble.

Fla., Jacksonville—Florida Subdivisions Development Corp., capital \$50,000, chartered; Harry Sachs, Robert R. Miller, 2043 Perry St.

Fla., Jacksonville—Florida Cities Realty Corp., capital \$50,000, incorporated; A. E. J. Anderson, E. D. Langley.

Fla., Jacksonville—Florida Builders & Realty Corp., capital \$25,000, incorporated; Morris Fishler, Fernandia; I. Edelstein, Jacksonville.

Fla., Key West—Charles S. Baxter Interests will extend gas and water mains in subdivision on South Beach; construct Roman pool, casino.

Fla., Kissimmee—Interurban Corp., capital \$10,000, incorporated; Harry A. Hunter, Pat Johnson.

Fla., Lake Worth—United Realty Co., 814 Lake Ave., incorporated; H. G. Brent, George King.

Fla., Lake Worth—New England-Florida Development Co., capital \$50,000, incorporated; L. C. Swain, Ernest C. Messier.

Fla., Leesburg—Walker & Sermon, Waycross, Ga., acquired tract of land in Palmora Park; develop sub-division; construct streets, install city water.

Fla., Melbourne—Sunset Lodge Corp., capital \$10,000, incorporated; D. C. Donnan, Charles A. Lyman.

Fla., Miami—Ganat-Berkwit Properties, capital \$100,000, incorporated; Robert M. Ganat, Joseph Berkwit.

Fla., Miami—Elcada Realty Corp., capital \$50,000, incorporated; C. E. Callahan, J. B. Davidson.

Fla., Miami—Fairhaven Island Corp., capital \$250,000, incorporated; Alfred L. West, 1890 N. W. First St.

Fla., Miami—Russell Realty Corp., capital

\$75,000; incorporated; B. R. Cisco, Isidor Stern.

Fla., Miami—Havelock Holding Co., incorporated; B. R. Cisco, A. W. Moore.

Fla., Miami—Crosel Properties, capital \$100,000, incorporated; Daniel Cromer, 432 N. E. 26th St.

Fla., Miami—Lee Chase, Plaza Hotel, acquired 80,000 acres land in Osceola county; will develop.

Fla., Miami—Coastal Realty Co., capital \$25,000, incorporated; J. A. Herring, Clifford A. Vickery.

Fla., Miami—Botone, Inc., capital \$50,000, incorporated; C. A. Carlson, A. S. Sherman.

Fla., Miami—Kay Realty Co., 4800 N. Miami Ave., incorporated; Sidney G. Kusworm.

Fla., Miami—Palmquist Properties, capital \$10,000, incorporated; E. W. Palmquist, 814 N. E. First Ave.

Fla., Miami—Alton Road Holding Co., capital \$50,000, incorporated; F. W. Cason, Lawyers Bldg.

Fla., Miami—Trosper Development Co., incorporated; F. D. Wood, A. C. Brown.

Fla., Miami—Syndicate Holding Co., capital \$20,000, incorporated; Homer B. Combest, 452 N. E. 31st St.

Fla., Miami—Jefferson Avenue Realty Corp., incorporated; C. A. Cole, A. Roy Myers.

Fla., Miami—Summerland Keys, Inc., capital \$75,000, incorporated; O. D. Gorman, 212 N. E. First Ave.

Fla., Miami—Sylvania Realty Co., incorporated; J. Vernon Pinman, A. G. Bauer.

Fla., Miami—Bert Schreiber Properties, capital \$100,000, incorporated; Bert Schreiber, Harry A. Ableman.

Fla., Miami—Florida Realty & Investment Co., capital \$50,000, incorporated; Frank D. Richardson, M. M. Riley.

Fla., Miami—Atlantic Shores Corp., incorporated; W. R. Burton, 104 S. E. First St.

Fla., Miami—Wemack Realty Co., capital \$25,000, incorporated; Homer E. McCrillus, Walter T. Webery.

Fla., Miami—Brice Properties, Inc., capital \$25,000, incorporated; Walter D. Payne, Lawyers Bldg.

Fla., Miami—Beckett-Shaw Properties, capital \$50,000, incorporated; Harry G. Shaw, M. Wilson.

Fla., Miami—Cannon Forbes Realty Co., capital \$10,000, incorporated; Cannon Forbes, J. E. Hooker.

Fla., Miami—Anderson Properties, capital \$30,000, incorporated; W. M. Huber, Commercial Bank Bldg.

Fla., Miami—Sunnylan Corp., capital \$1,000,000, incorporated; S. P. Robineau, 218 N. E. Second Ave.

Fla., Miami—Dr. A. H. Kendall acquired 27,000 acres land on Ingraham Highway and Maderia Bay, containing 11,000 acres marl land; will construct canals, roads; install water, sewer, electric lights.

Fla., Miami—Hugh M. Anderson, Pres. Shoreland Co., N. E. Second Ave., reported interested in organization of new company to develop 5 new islands in Biscayne Bay; construct causeway, canals, water front drive, bulkhead.

Fla., Miami—The Elano Co., capital \$100,000, incorporated, Frank B. Shutts, First Natl. Bank Bldg., Miami.

Fla., Miami—Florida Real Estate Development Co., capital \$500,000, incorporated; George A. Rubin, Louis L. Becker.

Fla., Miami—Flagler Holding Co., capital \$50,000, incorporated; J. B. Anthony, Silver Bluff.

Fla., Miami—Premier Investment Co., incorporated; J. K. Roberts, 201 N. E. First Ave.

Fla., Miami—Florida-Louisville Land Co., capital \$50,000, incorporated; Samuel C. Levenson, J. M. Flowers.

Fla., Newberry—Central Florida Development Corp., capital \$10,000, incorporated; N. W. Norbeet, J. F. Barney, Jr.

Fla., New Port Richey—Charles F. Herms, George H. Marting acquired 120 acres on Lake Worrell; develop subdivision.

Fla., Okeechobee—Dr. B. A. Chapman, St. James Bldg., Jacksonville, acquired tract of land; develop subdivision; will fill in bulkhead, grade streets, install water, sewers, electric lights.

Fla., Orlando—James E. Loye, 6757 E. End St., Chicago, Ill., acquired 9500 acres; will develop.

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Fla., Orlando—Warwick Realty Co., capital \$10,000, incorporated; Howard Allsop, 634 Dot Circle.

Fla., Orlando—Joseph P. Lavin and James E. Loye, both Chicago, Ill., acquired through O. P. Swope, 610 W. Central Ave., Orlando, tract of 9500 acres; will develop subdivision and golf course.

Fla., Palm Beach—Lytle Hull, Inc., capital \$10,000, incorporated; Lytle Hull, J. L. Barber.

La., Palm Beach—Veromar Co., incorporated; E. W. Thompson, I. L. McSmith.

Fla., Palmetto—E. R. Porter, care Porter & Teegarden, 1003 Guardian Bldg., Cleveland, Ohio, acquired 2144 acres of land.

Fla., Panama City—H. L. Suddeth of Birmingham, Ala., Pres. Suddeth Realty Co., 110 N. 21st St., acquired 800 acres at Bunkers Cove; will develop subdivision.

Fla., Pompano—A. J. Peck, Pres. of Chamber of Commerce, and Geo. V. Merrill will develop 48 acres for subdivision; install water, sewers, gas, pave sidewalks.

Fla., St. Petersburg—City, Ernest Kitchen, Director Public Works, will expend \$494,000 for dredging and seawall construction.

Fla., Sanford—Lake Mary Development Co., capital \$150,000, incorporated; A. DeCatter, G. W. Spencer, Jr.

Fla., Sarasota—A. G. Rhodes, Lee Hagen organized State Investment Co.

Fla., Sarasota—H. Paulman and J. V. Lawrence, Chicago, Ill., acquired 120 acres land below Point O' Rocks; develop subdivision.

Fla., Sarasota—Sarasota Land Co., organized; L. S. Jackman, T. B. Ogburn.

Fla., Sarasota—E. H. Price acquired 27-acre tract, develop subdivision.

Fla., Sarasota—Whitfield Estates, Inc. is developing sub-division on Tamiami Trail; contracts are being let for construction of 10 miles of streets, 20 miles of sidewalks; installation of water system, consisting of 500,000 gal. reservoir, 125,000 gal. reserve steel tank, 20 miles of pipes and mains; Adair Realty & Trust Co., Atlanta, Ga. are directing work.*

Fla., Sarasota—Southern Realty & Construction Co., capital \$25,000, incorporated; Walter J. Bryson, Sr., W. H. Thomas.

Fla., Sebring—J. H. Powers, Decatur, Ill., reported acquired 700 acres land on Lake Sebring, will develop 200 acres for sub-division; A. D. Taylor, Landscape Archt., Cleveland, O.

Fla., St. Augustine—Cedar Knolls Co., incorporated; George A. Pritchard, Jacksonville; George H. K. Hewson, St. Augustine; develop Cedar Knolls, subdivision of 95 acres; construct paved streets, complete sewerage system, water works, electric lights; Charles F. Hopkins, Jr., in charge.

Fla., St. Augustine—Edw. E. Warwick Realty Co., capital \$25,000, incorporated; Edw. E. Warwick, Frank D. Upchurch.

Fla., St. Augustine—Clarence Farrell, 30 DeSoto Pl., acquired 800 acres; develop subdivision.

Fla., St. Petersburg—J. P. Lynch Investments, capital \$100,000, incorporated; Frank D. Graves, 265 8th Ave., N.

Fla., St. Petersburg—Joe Burns, Chicago, Ill., acquired 1440 acres of land.

Fla., Tallahassee—Gulf Beach Land and Investment Co., capital \$50,000, incorporated; Charles Williams, C. H. Robinson.

Fla., Tampa—Cooper-Hensley Realty Co., New Tribune Office Bldg., acquired 62,577 acres land; will develop.

Fla., Tampa—Col. W. F. Stovall, Bayshore Blvd., will develop Crest View subdivision; construct paved streets, concrete curbs and sidewalks, water, gas, electric lights and telephones.

Fla., Tampa—Lincoln Land & Investment Co., capital \$300,000, incorporated; Clairborne M. Phipps, Giddens Bldg.

Fla., Tampa—Victor Polakow, 118 N. La Salle St., Chicago, Ill., acquired 5000 acres of land along Memorial Blvd; will develop.

Fla., Tampa—Acme Realty and Investment Co., incorporated; Samuel Borchardt, 508 Citizens Bank Bldg.

Fla., Tampa—J. S. Hooper sold to outside capitalists 40 acres of land on Frazier's Beach; develop subdivision; erect seawall, build small island, erect club and boat house.

Fla., Tampa—Weinanna Land Corp., incorporated; M. W. Lloyd, San Miguel & Esperanza St.

Fla., Tampa—J. S. Ackerman and associates acquired 1000 acres of land; develop subdivision.

Fla., Tampa—R. C. Dotson, 406 Cleveland

St., acquired 260 acres of land near Indian Rocks; develop subdivision.

Fla., Tampa—W. M. Fiedler, Boulevard, W. F. Adams, Mgr. Tampa Bay Hotel, reported to have acquired Belleair Development Co. holdings in Belleair; will continue development of townsite; will let contract with 30 days for water works system, curbing and pavements; John Nolan, City Planner, Cambridge, Mass.

Fla., Tampa—Herberg-Maner Co., capital \$15,000, incorporated; P. T. Maner, B. F. Herzberg.

Fla., Tampa—W. T. McGowin, Pres., McGowin Investment Co., 504 Florida Ave., Tampa; L. A. Bodden, Mobile, Ala., reported interested in development of 40 acres for tourist camp; install water system.

Fla., Tampa—W. B. Coarsey, 510 Jackson St., acquired 20,000 acres of land.

Fla., Tampa—Old Tampa Bay Estates, incorporated; G. C. Warren, 302 Seventh Ave., acquired 241 acres land; will develop.

Fla., Tampa—F. P. Maner, Sarasota, R. P. Anderson, Tampa, acquired 4000 acres land on Bayshore Rd.

Fla., Tampa—Bob Worthington, 2 Sparkman Bldg., reported sold to outside capitalist tract of 5000 acres for development of trap shooting; will construct club house, town site, hotel, golf course.

Fla., Tampa—Isaac Craft, 302 Hyde Park Ave., acquired 9000 acres of land south of Gibson-on-the-Bay; will develop.

Fla., Tampa—L. Esil Knight, Knight Bros., 209 Lafayette St., acquired 77,000 acres on State Rd., will develop.

Fla., Titusville—Indian Hills Golf Estates, capital \$50,000, incorporated; N. T. Froscher, C. O. Black.

Fla., Watertown—Legland Poultry Farms, capital \$25,000, incorporated; F. C. Paul, Cora Copeland.

Fla., Wauchula—Florida Real Estate Co., Inc., Munsey Bldg., Washington, D. C., acquired 5000 acres land; will develop.

Fla., Wauchula—George T. Sharp, Sec. Land Endowment Co., Inc., 565 Fifth Ave., New York, acquired 48,350 acres; will develop for colonization.

Fla., West Palm Beach—Hillsborough Enterprise Corp., capital \$100,000, chartered; C. N. McCune, G. F. Basinger.

Fla., West Palm Beach—Alwa Investment Co., incorporated; Agnes W. Smellie, Louis G. Lester.

Fla., West Palm Beach—Arnold Construction Co., capital \$25,000, incorporated; J. Y. Arnold, H. J. Price.

Fla., West Palm Beach—Seneca Realty Corp., capital \$50,000, incorporated; Harry E. Freshman, H. C. Fisher.

Fla., West Palm Beach—Retlaw Realty Co., incorporated; H. J. Quincey, Howard G. Rice.

Fla., West Palm Beach—Real Estate Building, Inc., capital \$150,000, incorporated; Frank A. Huston, F. K. Anderson.

Fla., West Palm Beach—John Zimmer Co., capital \$100,000, incorporated; John Zimmer, Louis L. Ford.

Fla., West Palm Beach—Quinn Realty Co., capital \$100,000, incorporated; J. P. Quinn, Bert Winters.

Fla., West Palm Beach—Relliance Investment Corp., capital \$25,000, incorporated; M. Morgenthau, Jr., Edgar P. Ettenheim.

Fla., West Palm Beach—East and West Coast Realty Co., capital \$100,000, incorporated; John J. Hanson, R. M. Griffin.

Fla., West Palm Beach—Vernon Realty Corp., incorporated; Vernon Schauf, Fred G. Schwarz.

Fla., West Palm Beach—Delray Properties, Inc., incorporated; W. G. Mathes, F. J. Striffer.

Fla., West Palm Beach—Beard Holding Co., capital \$100,000, incorporated; E. L. Beard, Jr., Edgar H. Strapper.

Ga., Savannah—John T. Wilson, 838 E. Main St., Richmond, Va., acquired tract of 52,000 acres of land.

Ga., Waycross—F. D. Hereford acquired 1000 acres land; develop subdivision.

Ga., Waycross—W. D. O'Quinn is developing subdivision on Clough St.; construct streets.

La., Bastrop—Chamber of Commerce reported interested in development of 20-acre park, concrete natatorium and sinking artesian well.

La., Baton Rouge—Bay Shore Realty Co., capital \$100,000, incorporated; J. H. Percy, 528 North St.

La., New Orleans—Gidun Co., Inc., capital

\$14,000, incorporated; Phillip S. Gidiers, Pres., United Fruit Bldg.

La., New Orleans—Aetna Realty Co., capital \$25,000, incorporated; Mendel Silber, 4735 Carondelet St.

La., New Orleans—Pelican Development Co., capital \$1,000,000, incorporated; George H. Hodge, C. N. Hilliard.

La., Shreveport—Abry Cahn, 341 Gladstone Blvd., and associates, let contract to M. Hyman, 287 Wilkinson St., for constructing earthen dam and concrete spillway on 120 acre tract near Cedar Grove, converting approximately 11 acres into lake for swimming; erect cottages, club house, construct golf course; Charles D. Evans, Engr., Levy Bldg.

Md., Baltimore—James Cary Thompson, Inc., 3426 Eastern Ave., capital \$10,000, incorporated, James Cary Thompson.

Md., Baltimore—Holly-Point on the Severn, 337 St. Paul Place, capital \$10,000, incorporate; Emma R. Bode.

Md., Baltimore—Industrial Realty Corp., 805 Continental Bldg., incorporated, Alonzo L. Miles.

Md., Baltimore—Northway Realty Co., 226 St. Paul St., capital \$10,000, incorporated; I. Joseph Grau.

Md., Cumberland—Center Realty Corp., incorporated; Frederick Larkin, Charles O. Peyton.

Md., Solomons—Point Patience, Inc., capital \$50,000, incorporated; Benjamin Parran, Jr., John B. Gray, Jr.

Miss., Biloxi—Columbus Realty Co., incorporated; W. A. Fearn, W. A. White.

Miss., Mississippi City—T. Champenois, Meridian, interested in development of sub-division.

Mo., Kirkwood—Raymond M. Henley Co., capital \$30,000, incorporated; Raymond M. Henley, George A. Bowman.

Mo., St. Louis—Com-Pyr Realty and Investment Co., 407 Wainwright Bldg., capital \$50,000, F. Wm. Wibbing, Pres., will develop 196 acres of land for residential and manufacturing sites; grade streets, install sidewalks; Pitzman & Co., Const. Engrs., 615 Chestnut St.*

Mo., St. Louis—Missouri-Illinois Realty Co., capital \$10,000, incorporated; Geo. B. Wearen, 705 Waterman St.

Mo., St. Louis—Safe Realty & Development Co., capital \$30,000, incorporated; Louis J. Steinmeyer, 3214A Halliday St.

Mo., St. Louis—August C. Beckemeier Realty Co., capital \$20,000, incorporated; August C. Beckemeier, 3520 Grace St.

Mo., St. Louis—Sherman Realty & Investment Co., capital \$10,000, incorporated; Frederick G. Zeibig, 719 Chestnut St.

Mo., St. Louis—St. Louis Homes Corp., capital \$30,000, incorporated; Wilbur B. Jones, 506 Olive St.

N. C., Asheville—French Broad Cemetery Co., capital \$100,000, incorporated; Dr. W. R. Griffin, Pres., 179 S. French Broad Ave., acquired 114 acres, develop cemetery.

N. C., Asheville—Holmes Bryson, Pres., Grace Supply Co., Grace St., acquired 200 acres land in Beaver Dam; will develop sub-division; install water, sewers, roads.

N. C., Asheville—J. T. Horney, 10 Church St., acquired two tracts of land will develop sub-division; J. Robt. Reagan and J. L. Green, Engr., in charge of work.

N. C., Asheville—Gray Development Co., Inc., acquired 26 acres land, develop sub-division.

N. C., Lexington—Lexington Realty Co., capital \$40,000, incorporated; S. W. Finch, Alexander Springs.

N. C., Sulphur Springs—Middlemount Gardens, capital \$75,000, incorporated; Jessie C. Webb, 194 College St., Asheville.

Okla., Sulphur—Forest L. Carter, Supt. Platt National Park, will construct roads, new comfort stations connected with sewer and water lines; cost \$47,500; Johnson Bros., Ardmore, has contract for roads; Edward L. Bandy, Construction Engr.*

Okla., Watonga—Cronkrite Bros. are developing resort; construct lake covering 15 acres; golf links, and tennis courts.

Tenn., Chattanooga—M. E. and Walter Temple, 820 Oak St., interested in development of public park on Sunset Rock.

Tenn., Knoxville—Knoxville Suburban Corp., capital \$15,000, incorporated; W. C. Terry, 525 W. Clinch Ave., develop 80 acres for subdivision; build streets; Charles Lester, Landscape Archt., 425 W. Clinch Ave.

Tenn., Memphis—Memphis & Louisiana

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Land Co., capital \$100,000, incorporated; C. W. Hyde, H. E. Hyde.

Tex., Austin—Monte Vista Real Estate Co., capital \$40,000, incorporated; Z. T. Scott, 700 Brazos St.

Tex., Galveston—Galveston Memorial Park, capital \$15,000, incorporated; Sam J. Levy, 1518 25th St.

Tex., Lubbock—J. C. Whaley will subdivide 17,000 acres of land for farming.

Tex., San Antonio—Magie Valley Orchard and Nursery Co., capital \$50,000, incorporated; Mrs. Amos E. Graves, 419 King William's St., San Antonio; W. B. Glasscock, Jr., McAllen; develop 84 acres for nursery.

Tex., Westfield—Westfield Development Co., capital \$500,000, incorporated; R. Niles Graham, W. M. Graham.

Va., East Radford—G. C. Phillip plan construction of tourist camp at Plum Creek; construct 15 ft. concrete dam, develop power for an amusement park.

Va., Norfolk—Grayson Realty Corp., capital \$50,000, incorporated; Charles L. Kaufman, 1328 Graydon Ave.

W. Va., Beckley—Beckley Land Co., incorporated; T. S. McNeer, Hubert Echols.

W. Va., Morgantown—Morgantown Development Co. acquired 275 acres of land; will develop.

Lumber Enterprises

Ark., Fort Smith—Meadows Planing Mill, capital \$10,000, incorporated; Clyde Dyer and Jean Meadows.

Ark., Malvern—Wisconsin-Arkansas Lumber Co., acquired 13,000 acres, known as Hamlin hardwood timber tract, in Grant and Dallas Counties; will develop.

Fla., Orlando—McCormick-Hannah Lumber Co., W. Jefferson St., acquired millwork department of Southern Millwork Co.; will operate.

Fla., West Palm Beach—Fagg Lumber & Supply Co., capital \$50,000, incorporated; Chriss Fagg, E. P. Frink.

La., Shreveport—Jasper County Lumber Co., increased capital to \$10,000,000.

Miss., Hattiesburg—King-Sparrow Lumber Co., capital \$25,000, incorporated; Earl B. King, Wm. H. Sparrow.

N. C., Greensboro—Burgess Lumber Co., Claude Kiser, Sec., American Exchange Bank Bldg., will erect planing mill and shed, install boiler, engine, planer, edger, trimmer and blower system; daily output 50,000 ft.; construction by day labor.*

Tex., Houston—Houston County Timber Co., increased capital, \$10,000 to \$125,000.

Tex., Houston—Hornekamp-Pech Lumber Co., capital \$10,000, incorporated; August Honerkamp; H. L. Pech.

Mining

Fla., Brooksville—Camp Concrete Rock Co., Jack Camp, Pres., Ocala, has fully equipped plant, capacity 1500 to 2000 tons concrete rock, washed, crushed.*

Fla., Tampa—Limestone Rock Asphalt Co., capital \$50,000, incorporated; Robert W. Sanders, Pres.; D. Basil O'Connor, Sec.

Ga., Cedartown—Polk County Chert Co. organized; C. I. Scarbrough, Pres.; E. Darden Borders, Treas.; will install machinery for excavating, screening, crushing and moving chert. (See Machinery Wanted—Mining Machinery.)

La., New Orleans—Weaver Sand Co., Inc., capital \$10,000, chartered; W. A. Weaver, 1010 Maison Blanche Bldg.

Mo., Joplin—C. and S. Mining Co., capital \$40,000, incorporated; Thomas F. Coyne, Webb City, Mo.; Haywood Scott, Joplin.

Mo., Joplin—Federal Mining & Smelting Co., W. P. George, will rebuild Whiskbroom mill some time this year, to handle about 40 tons ore per hour.

Mo., Joplin—Joplin Marble Quarries Co., capital \$150,000, incorporated; T. C. Pennington, C. H. Carter, both Carthage; has about 80 acres under option; develop quarries.

Okla., Picher—King Brand Mines Co., D. B. Oberman, Pres., 305 Central Trust Bldg., Jefferson City, Mo., has mineral lands under development; daily output 100 tons zinc and 25 tons lead.*

Tennessee—J. L. Akers, Nashville, leased the Annette Gold Mine at Coker Creek; begun development, installing machinery; later contemplates adding stamp mill.*

Tenn., Chattanooga—Brown Sand & Gravel Co., capital \$50,000, incorporated; R. J. Brown.

Tenn., Maryville—Melrose Mineral Prod-

ucts Co., capital \$10,000, incorporated; Edward Sopitt, John Brittain.

Va., Alexandria—T. C. Baker, Purcellville, Va., contemplates installing plant, to develop talc and soapstone deposit. (See Machinery Wanted—Mining Machinery.)

W. Va., Parkersburg—Midway Sand & Gravel Co., capital \$60,000, incorporated; J. L. Williams, L. H. Mallory.

Miscellaneous Construction

Fla., Avon Park—Canal—See Land Development.

Fla., Boynton—Basin—See Land Development.

Fla., Fort Lauderdale—Incinerator—See Sewer Construction.

Fla., Jacksonville—Clyde Steamship Co., H. G. White, Gen. Agt., reported, acquired holding of the Sinclair Refining Co., consisting of about 22½ acres of land, docks, tanks, houses and other property.

Fla., Miami—Canal—See Land Development.

Fla., Okeechobee—Bulkhead—See Land Development.

Fla., Palmetto—Seawall—W. W. Hubbel, Chrmn. of Committee, contemplates building 4 mi. seawall from foot of Main St. to Sneads Island bridge.

Fla., Sanford—Bulkhead—City Commrs. rejected bids for 1000 cement pilings for bulkhead work along waterfront; W. B. Williams, City Mgr.

Fla., Sebring—Pier—See Water Works.

Fla., Sarasota—Boardwalk—Owens Burns, reported to build on Sarasota Key, part of the John Ringling Estates, \$600,000 boardwalk, 60 ft. wide, 2 mi. long, concrete.

Fla., Sarasota—Seawall, etc.—Rickett & Harworth has contract for seawall around Sarasota Bay Hotel on Broadway at \$31,920; dredging work awarded to Tampa Sand & Shell Co., Tampa, and Gulf Paving & Dredging Co.

Fla., Tampa—Lee Terminal & Warehouse Corp., capital \$350,000, organized by J. Edgar Lee, Pres., Currier-Lee Warehouse Co., Chicago, Ill., reported, acquired 6-story warehouse of Swann Terminals, erect 6-story warehouse and office building; proposed unit will front 200 ft. on Ellamae St., concrete with springler system; W. J. Buchanan, local mgr.

Fla., Tampa—Terminals—G. W. Hessler, Inc., Jacksonville, has contract for two warehouses and other improvements on the Mallory-Gulf Terminals; approximate cost \$150,000; warehouses 160x70-ft., each, located on west side of Franklin St.; extend lumber platform affording about 10,000 sq. ft. additional space, build 350 ft. wharfage, giving 1200 ft. available docking frontage.*

La., Shreveport—Dam and Spillway—See Land Development.

Md., Baltimore—Swimming Pool—Board of Awards, F. A. Dolfeld, Register, received low bid from Charles J. Spielman Co., Maryland Ave., Westport, at \$89,000 for swimming pool at Riverside Park, 180x300-ft., install showers, etc.; capacity 1000 persons per hr.*

Miss., Gulfport—Seawall—Wood Brothers Construction Co., Lincoln, Neb., received contract at \$1,953,857 for filling and concrete work on seawall; Arthur M. Shaw, Const. Engr., Hibernia Bldg., New Orleans, La.*

Mo., Kansas City—Elevator—R. A. Cook, Chief Engr., Chicago & Alton R. R., 340 W. Harrison St., Chicago, Ill., advises: Following contracts let: Foundation excavation to O'Brien Construction Co.; driving pile foundation to Raymond Concrete Pile Co., 140 Cedar St., New York; general contract to be let in about one week; elevator consists of 36 circular storage tanks for bins, capacity approximately 900,000 bu.; head house 63x42 ft., capacity 108,000 bu.; elevator will be served by three tracks; there will be four track sinks; plans by Horner & Wyatt, McMillan Bldg.*

N. C., High Point—Incinerator—R. L. Pickett, City Mgr., will erect incinerator, open bids June 15. (See Machinery Wanted—Incinerator.)

N. C., Mount Airy—Mount Airy Swimming Pool, incorporated; A. H. Merritt, J. A. Jackson.

Tex., Houston—Pier—Navigation Dist., H. L. Washburn, Auditor, receives bids June 25 for turning basin pier; creosoted landing piles, tile creosoted timber walkway and reinforced concrete piling and footing shafts for grain elevator; former bids rejected; also for construction of transformer station, brick and concrete, 1 story, 20x50 ft.; cost of building and equipment \$40,000; separate on all other electric equipment, transformers, circuit breakers, switchboard, etc.*

Va., East Radford—Dam—See Land Development.

Va., Richmond—Harbor Works, etc.—R. Keith Compton, Director of Public Works, having plans and surveys made for development of James river as harbor, providing for deep water harbor about 4½ mi. down river for ocean going vessels, intermediate harbor at Richmond and lesser depth at present canal; plans also include belt line connecting up all five trunk line railroads with deep water terminals.*

Miscellaneous Enterprises

Ala., Birmingham—Laboratory—American Cast Iron Pipe Co., \$200,000; service and Y. M. C. A. building; chemical laboratory. (See Buildings Proposed—Association and Fraternal.)

Ala., Birmingham—Alabama Bedding Corp., 2620 29th Ave. N., let contract to Southern Construction Co., Lincoln Life Bldg., for \$25,000 factory building at Third Ave. and Thomas St., 1-story, brick.

Ala., Dothan—Bopixa Abstract & Trading Co., capital \$110,000, incorporated; R. C. Williams, A. S. Ussery.

Ala., Mobile—Elektrik Maid Bake Shop, Inc., capital \$20,000, chartered; Earl S. Marshall, 350 Congress St.

Ala., Mobile—Construction—H. M. Cochran & Sons, Prichard, Ala., incorporated; H. H. Cochran, W. E. Cochran, both Prichard.

Ark., Camden—E. A. Heminway of Oklahoma, interested in establishing \$150,000 plant for manufacture of asphalt and lubricating oil. Address Chamber of Commerce.

Ark., Hot Springs—Laboratory, etc.—Office of Constructing Quartermaster, Army & Navy General Hospital, receives bids June 11 for addition to mess hall and library building for laboratory and new cold storage

Ark., Little Rock—American Work Clothes Co., O. D. West, Pres., 115 Olive St., let contract for additional equipment; double capacity of plant.

Ark., Pine Bluff—Arkansas Baking Co., 300 Main St., increased capital, \$30,000 to \$100,000.

D. C., Washington—Traffic Signals—Dist. Commrs. preparing plans for automatic signals for various streets; soon invite bids.

D. C., Washington—Seaboard Animated Sign Co., capital \$50,000, incorporated; F. E. Harper, Chaumont Apts.

Fla., Daytona—Journal Printing Co., David Sholtz, Pres., let contract to H. U. Whipple, 563 Magnolia Ave., for \$100,000 printing plant on Bay St., 60x110 ft., hollow tile and steel with ornamental front, tile floors and all modern conveniences; install modern equipment including 24-page straight line press.*

Fla., Fort Lauderdale—Lauderdale Abstract & Guaranty Title Co., J. E. Osborne, Pres.; D. W. Rale, Sec.

Fla., Fort Lauderdale—Broward Abstract Co., capital \$150,000, incorporated; F. A. Barrett, Pres.; J. S. Hinton, Sec.

Fla., Fort Myers—Lee County Ice Cream Co., capital \$25,000, incorporated; W. O. Johnson, W. K. Quayle.

Fla., Fort Myers—Fort Myers Sanibel Transportation Co., capital \$20,000, incorporated; W. E. Cogdell, G. H. Railason.

Fla., Hollywood—Hollywood Builders Supply Co., capital \$30,000, incorporated; J. W. Laubenthal, G. Laubenthal.

Fla., Jacksonville—Jacksonville Marble & Tile Co., capital \$10,000, incorporated; N. M. Ulsch, 504 W. 18th St.

Fla., Jacksonville—Merrill Explosive Co., capital \$25,000, incorporated; A. R. Merrill, 221 W. 3rd St.

Fla., Jacksonville—W. J. Hoy Construction Co., capital \$50,000, incorporated; Wm J. Hoy, Walter J. Hill.

Fla., Miami—A. K. Althouse Engineering & Construction Co., capital \$25,000, incorporated; A. K. Althouse, H. W. Hering.

Fla., Miami—Becker Hardware Manufacturing Co., capital \$20,000, incorporated; James P. Becker, Pres.; M. L. Walton, Sec.

Fla., Miami—Amusements—S. Ernest Philbitt & Son, capital \$500,000, incorporated; S. Ernest Philbitt, Pres., 34 N. Miami Ave.

Fla., Miami—John W. Clausen, Inc. Agency and Insurance Underwriters, Inc. merge with Stembler Insurance Agency, Inc., First National Bank Bldg., John W. Clausen, Pres.; G. C. Stembler, Gen. Mgr.

Fla., Orlando—Florida Fireworks Manufacturing Co., capital \$10,000, incorporated; D. M. Aldrich, B. A. Rogers.

Fla., Palm Beach—City Builders Holding Co., capital \$200,000, incorporated; Oscar A. Jose, Peter F. Balz.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Fla., Palmetto—City contemplates installing police call and electric fire alarm system. Address The City Clerk.

Fla., Sarasota—T. A. Monk has contract for modern milk depot at Tenth and Citrus Ave. for the Tampa Stock Farms Dairy Co., 40x60 ft., brick.

Fla., St. Petersburg—Home Apartments Corp., capital \$20,000, incorporated; S. S. Crittenden, E. J. Ryan.

Fla., Tampa—Florida Aerial Transportation Co., Inc., capital \$200,000, chartered; Oscar A. Ritz, Pres.; Robert H. Viser, Sec.

Fla., West Palm Beach—Everglades Club Hotel & Apartment Co., capital \$10,000, incorporated; Henry J. O'Neill, P. N. Hiatt.

Fla., West Palm Beach—Contracting, etc.—Von Behren & Ohmer, Inc., capital \$150,000, chartered; W. J. von Behren, C. J. Ohmer.

Fla., West Palm Beach—Greynolds, Clark & Shay, Inc., capital \$600,000, chartered; A. O. Greynolds, Pres.; R. A. Wilson, Sec.

Fla., West Palm Beach—Carr-Sides, Inc., capital \$50,000, chartered; Fred H. Sides, O. B. Carr, manufacturers agents.

Fla., Winter Haven—Home Building Supply Inc., capital \$50,000, chartered; H. S. Hedrick, E. W. Sweett.

Ky., Pineville—New Sanitary Market, capital \$15,000, incorporated; C. C. Byrley, T. F. Gibson.

La., Arcadia—Service Drug, Inc., chartered; W. T. Grigsby, C. D. Rogers.

La., Lake Charles—The Lake Charles Rice Mill Co. contemplates rebuilding burned mill; estimated capacity 4800 bbls.

La., New Orleans—Standard Trading Co., Inc., capital \$25,000, chartered; Wm. H. Kerr, Pres., 406 Marine Bank Bldg.; export and import.

La., Point-a-la-Hache—Gulf Coast Products Co., Inc., capital \$25,000, chartered, Anson Gravolet; oyster and fish canning.

Md., Baltimore—Windsor Construction Co., 1305 Fidelity Bldg., incorporated; Joseph H. St. Martin, Jr.

Md., Baltimore—United Trunk Stores, Inc., 1137 Calvert Bldg., chartered; Frank R. Hansell.

Md., Baltimore—Lit-Silver Plumbing Supply Co., 106 N. Front St., will erect 3-story brick addition, 105x24 ft., slag roof; cost \$10,000; Louis Ulman & Co., Contr., 418 Aisquith St.

Md., Baltimore—Great Atlantic & Pacific Tea Co., Jersey City, capital \$70,000,000 incorporated; Royal Victor, 49 Wall St., New York; Martin Fogarty, resident agent.

Md., Baltimore—Meat Packing—Louis H. Rettberg, Inc., 2823 Pennsylvania Ave., erecting \$150,000 plant on Dukeland Ave.; Statler, Levine & Craven, 23 Broadway, New York, Archts.; Northeastern Construction Co., Lexington Bldg., general Contrs. Reinforced concrete, brick curtain walls, concrete and Pyro bar roof; steel sash, cement and tile floors. Main building, 2-story, 135x180 ft., housing coolers, brine tank, freezer, dry storage, ice machinery, boiler room in basement; smoke house, cooling room, sausage room, chopped beef and boiled ham and shipping cooler on first floor; general storage, offices, dressing room for employees and Govt. Inspector's office on second floor. Garage, 1-story, 50x60 ft. Loading court, 27x80 ft.

Md., Baltimore—The Patapsco Engineering & Contracting Corp., 220 New Amsterdam Bldg., capital \$25,000, chartered; R. R. Fuschelbaugh.

Miss., Corinth—Nelson Clothing Co., capital \$10,000, incorporated; W. R. Nelson, D. R. Galtney.

Miss., Crystal Springs—Avery Hardware Co., capital \$10,000, incorporated; L. M. Dampeer, Florence Avery.

Miss., Neshoba—Publishing—R. C. and J. E. Peebles acquired The Neshoba Democrat; will assume ownership and management.

Mo., Cape Girardeau—Star Construction Co. incorporated; Norman L. Hely, Fred A. Meyer.

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Mo., Kansas City—Charles H. Price, Propr. of Price's Better Candy Co., 3223 Troost St., leased 3-story building cor. Seventeenth and Main Sts. for central office and factory; will remodel and install equipment.

Mo., Kansas City—Photographic Appliances-Photostat Service Corp., chartered; Wm. L. Mauran, Thomas E. Steere.

Mo., Overland—F. Linnd will expend \$90,000 to remodel 7-story store and loft building at 700 Lucas St.; Brussel & Vitrola,

Archts., Arcade Bldg., St. Louis; construction by owner.

Mo., St. Louis—Century Electric Co., Nineteenth and Pine St., will erect \$50,000 factory addition at 1828 Olive St., 2-story, tar and gravel roof; L. Pendleton, Archt., 119 N. Seventh St.

Mo., St. Louis—Publishing—Simmons-Sisler Co. incorporated; Paul C. Simmons, 326 Helfenstein St.

Mo., St. Louis—Paper Products—Great Lake Co., capital \$10,000, incorporated; D. D. Bradish, A. L. Moore.

Mo., St. Louis—Chemical Products—American Cyanamid Co., capital \$18,000, incorporated; W. B. Bell, 450 Laurel St.

Mo., St. Louis—Natural Bridge Wrecking & Excavating Co. incorporated; Andrew L. Schaefer, 3620 Clarence St.

Mo., St. Louis—Sperry Engine Corp., capital \$500,000, chartered; F. L. Morey, 6457 Maple Ave.

N. C., Burlington—Piedmont Construction Co., capital \$25,000, incorporated; F. E. Hadley, F. A. Mayes.

N. C., Canton—B. K. Smathers Auction Co., Inc., capital \$50,000, chartered; C. F. Smathers, Miram N. Smathers.

N. C., Charlotte—Lance Packing Co., 611 W. Ninth St., will erect 4-story, 150x80-ft. plant; estimated cost \$40,000 to \$50,000; to be built next year; candy and peanut products.

N. C., Charlotte—Charlotte Electric Repair Co., W. H. Smith, Pres., 508 W. Fourth St., let contract to A. J. Jones Construction Co. for plant on W. Trade St., 2 story, 53x120-ft.

N. C., Charlotte—Werner Brothers Southern Theaters, Inc., capital \$250,000, chartered; C. W. Tillet, Jr., Law Bldg.

N. C., Madison—Penn Handkerchief Co., has plant; interested in all kinds of machinery for manufacture of handkerchiefs, especially machine to fold and place in glassine envelope or paste board cartons. (See Machinery Wanted—Folding Machinery).*

N. C., Monroe—Federal Insurance & Real Estate Co., capital \$50,000, incorporated; R. A. Morrow, A. M. Secrest.

N. C., Murfreesboro—Crystal Ice, Water & Fuel Co., J. A. Campbell, Pres., will install small soda water bottling plant. (See Machinery Wanted—Bottling Machinery).*

N. C., Raleigh—Machine Shops, etc.—W. H. Bond Co., capital \$25,000, incorporated; W. H. Bond, 614 Polk St.

N. C., Raleigh—Storr Engraving Co., capital \$100,000, incorporated; H. S. Storr, 116 N. Martin St.

N. C., Roanoke Rapids—Southern Winding Board Co., capital \$300,000, R. W. Gordon, G. B. Scheffey.

N. C., Sulphur Springs—Horticultural—Middlemount Gardens, Inc., capital \$75,000, chartered; Jessie C. Webb, Max H. Crohn.

N. C., Washington—Washington Tobacco Co., capital \$125,000, incorporated; J. S. Nunnelee.

N. C., Waxhaw—Copenhaver Construction Co., capital \$10,000, incorporated; W. H. Collis, W. M. Copenhaver.

Okla., Oklahoma City—The Letter Shop, Inc., Mary D. Green, Mgr., 305½ N. Robinson St., has building; will install multigraphing and printing machinery.*

Okla., Tulsa—Blackgold Machine & Manufacturing Co., capital \$100,000, chartered; J. M. Lloyd, Kennedy Bldg.

S. C., Columbia—Southern Scale & Refrigerator Co., capital \$10,000, incorporated; Archibald Hardy, 1321 Senate St.

S. C., Florence—Long Life Agency, Inc., capital \$50,000, chartered, J. C. Long, Pres.; H. L. Dickman, Jr., Sec.

S. C., Gaffney—Undertaker—Shuford & McMaster Co., capital \$25,000, incorporated; J. B. Hatcher, Frank Hovis.

S. C., Simpsonville—Farmers' Hardware Co., capital \$20,000, incorporated; F. M. Todd, L. L. Richardson.

Tenn., Bristol—Drugs—New Era Co., capital \$20,000, incorporated; J. L. Wood, Sr., A. C. Keebler.

Tenn., Bristol—Bulletin Publishing Corp., capital \$100,000, chartered; Guy L. Smith, C. E. King.

Tenn., Chattanooga—James B. and Gordon K. Perkins, acquired established plant, will remodel and operate under name of White Swan Laundry.

Tenn., Jackson—Bakery—Thompson Grocery Co., increased capital to \$150,000; contemplates building baking plant, daily output 25,000 loaves bread; also have warehouse and cold storage plant.

Tenn., Kingsport—Holston Apartments, Inc., capital \$25,000, chartered; John B. Nall, E. W. Tipton.

Tenn., Knoxville—Better House Furnishings Co., capital \$20,000, incorporated; Sol. Berry, J. I. Lentz.

Tenn., Memphis—Universal Safety Signal Co., capital \$40,000, incorporated; W. Johnson Webb, Jesse O. Bolton.

Tenn., Memphis—Royal Trunk & Bag Co., 62 S. Main St., will remodel building, install elevator.

Tenn., Memphis—Belgium Cleaning Co., 266 Poplar Ave., will erect \$20,000 plant on Madison Ave., reinforced concrete, fireproof; L. W. Mann, Archt.; W. C. Owens, Rand Bldg., probably get contract.

Tenn., Nashville—Charles Loridans Building Corp. increased capital, \$25,000 to \$175,000; changed name from Central Improvement Corp.

Tenn., Springfield—M. E. Bacon, of Hopkinsville, Ky., acquired the Springfield Herald, will publish.

Tex., Austin—Seaboard Life Insurance Co., capital \$250,000, incorporated; Burke Baker, Pres.

Tex., Breckenridge—Ice-cream—Dillingham & Alexander, capital \$250,000, incorporated; O. D. Dillingham, O. L. Alexander.

Tex., Clarkville—Laundry—Jones-Bowman, capital \$20,000, incorporated; C. E. Williams, B. A. Dinwiddie.

Tex., Dallas—North Dallas Water Co., incorporated; Henry M. Smith, 123 W. Brooklyn St.

Tex., Dallas—Mancell-Wilson Co., capital \$10,000, incorporated; G. E. Mancell, 702 W. Brookley St.; J. F. Wilson; manufacturers hats.

Tex., Dickinson—Florist—Oaklawn Fernery incorporated; C. H. Blecker, R. J. Hughes.

Tex., Eagle Pass—Texas-Coahuila Bridge Co., capital \$36,000, incorporated; Hal L. Mangum, Geo. A. Kennedy.

Tex., Gainesville—Clothing—Blanchard Manufacturing Co., capital \$50,000, incorporated; M. A. Joy, J. G. Blanchard.

Tex., Houston—Petroleum Building Co., capital \$200,000, incorporated; T. P. Lee, Oil 2nd Natl. Bank Bldg.

Tex., Houston—Advertising—Allen Associates, Inc., capital \$10,000, chartered; J. E. Irvine, Union Natl Bank Bldg.

Tex., Houston—Seaport Building Co., incorporated; E. A. Knipp, Stewart Bldg.

Tex., Houston—Contracting—Ship Channel Industrial Site Co., capital \$37,500; D. S. Cage, 1903 Baldwin St.

Va., Galax—C. D. Coggeschell will erect \$10,000 laundry building at 510 S. Lansing Ave.

Va., Roanoke—Linde Air Products Co., 30 E. 42nd St., New York, reported having plans made for plant building, manufacture oxygen.

Va., Roanoke—Loebl Dye Works, Inc., chartered; Jose Loebl, 107 Denniston Ave., Va. Heights.

W. Va., Bluefield—Bluefield Laundry Co., F. W. Grover, Gen. Mgr., plans building \$200,000 laundry, install modern equipment, etc.

W. Va., Huntington—Printing—Gentry Brothers, 1045 Fourth Ave., Joe G. Gentry, Pres., acquired building 213-215 Eleventh St., will improve to accommodate printing machinery.

W. Va., Richlands—Richlands Bottling Plant, J. W. Petrey, Norton, will rebuild burned plant; construction by G. W. Rimmer and I. E. Horton.

Motor Bus Lines and Terminals

Fla., Miami—Checker Cab Co., capital \$10,000, incorporated; F. Kirk Smith, Temple Smith.

Ga., Atlanta—Georgia Railway & Power Co. will establish auxiliary bus service for East Atlantic section.

La., Donaldsonville—The Baton Rouge Yellow Cab Co., Inc., chartered; Dubourg Thibaut, Pres.; Harris Crawford, Sec.

Md., Cumberland—Lashley & Anderson contemplate establishing bus line from Cumberland to North Branch.

Md., Hagerstown—Blue Ridge Transportation Co. applied for permission for bus line from Westminster to Frederick via Union Bridge.*

Md., Westminster—Conway Motor Co. applied for permission for bus route from Emmitsburg to Baltimore via Westminster.

N. C., Raleigh—H. G. Pugh Motor Co. es-

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

tablish bus line between Greensboro and Fayetteville.

Okla., Oklahoma City—Oklahoma Railway Co., G. T. Lackey, V. P., will establish two city bus lines, equipment purchased.

Tenn., Chattanooga—Tennessee Electric Power Co., 540 Market St., reported, interested in proposed bus line from Athens to Decatur.

Tenn., Nashville—Union Transfer Co. consolidated with the Tennessee Transfer Co., James Cason, Pres.; capital \$40,000; will operate bus line.

Va., Roanoke—Safety Motor Transit Corp., T. E. Greer, Pres., purchased 22 street cars type busses from Brockway Motor Truck Co., of Courtland, N. Y., approximate cost \$100,000.

Motor Cars, Garages, Filling Stations

Ark., Corning—Bennett-Sheeks, capital \$25,000, incorporated; W. D. Bennett, Ed V. Sheeks; automobile accessories.

D. C., Washington—Warfield Motor Co., 1134 Connecticut Ave., organized; C. G. Warfield; will operate shop and service station at Fourteenth and Florida Ave.

Fla., St. Augustine—St. Augustine Sales Corp., capital \$150,000, chartered; R. E. Stephens, W. M. Blackwell.

Fla., St. Petersburg—Service Station—Pinnellas Jordan Co., 1113 Central Ave., will erect \$50,000 addition to present building; steel and fireproof, 1-story, 50x98 ft.; capacity about 35 cars; work under supervision of Blaw-Knox Co., 624 Farmers' Bank Bldg., Pittsburgh, Pa.

Fla., Stuart—Stuart Overland Co., organized by Earl Ricou and John A. Godbee, contemplate building \$20,000 garage on Dixie Highway, south, tile and stucco.

Fla., West Palm Beach—G. M. Albertson erect \$45,000 garage on Dixie Highway and Okeechobee road; C. J. Trevall, Contr.

Fla., Winter Park—Cobb & Vaugh Motor Co. acquired site on Winter Park and Orlando road; erect sales and service building.

Ga., Augusta—Central Auto Supply Co., capital \$175,000, incorporated; T. M. Morris, Pres., 2007 Wrightsboro Rd.

Ga., Columbus—Passmore-Kendrick Co. capital \$15,000, incorporated; W. W. Kendrick, Glade Rd.

Ky., Owensboro—Federal Highway Service Station, R. O'Flynn, Pres., corner Fourth and Triplett Sts., let contract to R. E. and P. C. Bryan for 16x60-ft. service building with 18x24-ft. shed, brick and concrete; install three gas tanks, three gas pumps, air compressor, plumbing and electrical fixtures; furnished by Wayne Tank & Pump Co., Fort Wayne, Ind.; Quincy Compressor, Quincy, Ill.; Owensboro Plumbing & Heating Co., Owensboro, Ky.; Lambert Gresham Electrical Co., Owensboro, Ky.; Robert Gillin, Archt.

La., Alexandria—Filling Station—McKenzie-Ellington, Inc., increased capital, \$25,000 to \$100,000.

Md., Baltimore—Hood Tire Co., 1800 N. Charles St., acquired site at 37-39 East North Ave., erect building, etc.

La., Baton Rouge—Watson-Ledet Motors, Inc., capital \$10,000, chartered; Kenneth Watson, R. A. Ledet.

La., Shreveport—Garage—American Railway Express Co. will occupy building to be erected at 318 Franklin St. for storage of automobile trucks; brick.

Md., Chevy Chase—McCurdy Auto Accessories Co., Inc., capital \$25,000, chartered; Geo. L. McCurdy, Edward E. Lippard.

Miss., Brookhaven—Laird-Day Auto Co. changed name to Laird Day Motors Co.

Mo., Joplin—Nash Joplin Co., capital \$25,000, incorporated; Harry A. Jones, Henry N. Brady.

Mo., Kennett—R. T. Paul will erect filling station and battery station on St. Francis St.

Mo., St. Louis—Hilmer-Belcher Chevrolet Co., capital \$50,000, incorporated; Vincent E. Belcher, 900 N. First St.

Mo., St. Louis—Grand Auto Service Co. incorporated; Oscar Nieman, 4215 Flad Ave.

N. C., Asheville—B and B Motor Co., capital \$15,000, incorporated; C. F. Mims, 33 Orange St., Asheville; J. J. Brown, Spartanburg.

N. C., Charlotte—Ford Motor Co. will erect \$12,000 oil storage tank on Statesville Ave.

N. C., Kannapolis—Kannapolis Motor Co., capital \$50,000, incorporated; T. T. Smith, G. B. Lewis.

N. C., Lewiston—Lewiston Filling Station,

capital \$10,000, incorporated; N. L. Stedman, F. H. Gregory.

N. C., Smithfield—Filling Station—Holt Oil Co., capital \$60,000, incorporated; R. R. Holt, W. N. Holt.

N. C., Wallace—Filling Station—Duplin Oil Co., capital \$30,000, incorporated; W. S. Wells, Wallace; R. R. Holt, Smithfield.

N. C., Warsaw—Filling Station—Holt Oil Co., capital \$30,000, incorporated; E. F. Strickland, Warsaw; W. N. Holt, Smithfield.

Tenn., Tiptonville—Tiptonville Motor Co., will remodel present building, Geo. Mahan, Jr., Archt.

Tex., Corpus Christi—Corpus Christi Overland Co., capital \$12,000, incorporated; F. W. Jaeggli, A. M. Harned.

Tex., Dallas—Parkmore Tire Co., capital \$10,000, incorporated; N. C. Sanford, Mike Murphy, 435 W. 12th St.

Tex., Lockhart—Quality Car Co. increased capital, \$25,000 to \$35,000.

Tex., Leno—Leno Motor Co., capital \$10,000, incorporated; A. F. Lockhart, J. R. Stanford.

Tex., Orange—Womack Service Station, incorporated; T. F. Meagher, H. H. Womack.

Tex., Pittsburg—Pentecost Motor Co., capital \$20,000, incorporated; G. S. Pentecost, Walter B. Scott.

Tex., Spur—Godfred & Smart let contract to Douglas Bros. at \$23,000, for garage and service station; 1-story, 50x165 ft., brick and stone; Wm. C. Meador, Archt., 910 Dan Waggoner Bldg., Fort Worth.

Tex., Wichita Falls—Texoma Oil & Refining Co., City Natl. Bank Bldg., W. B. Hamilton, Pres., will erect garage, 2-story, brick and concrete; Voelcker & Dixon, Archts., 312 Morgan Bldg.

Va., Martinsville—O. V. Huskey will erect 3-story, 35x60-ft. garage and service station, Cor. Fayette and Moss Sts.; brick and concrete, fireproof; construction begun.

W. Va., Montgomery—Coal Valley Motor Co., capital \$25,000, incorporated; R. M. Holstine, Montgomery; L. D. Blake, Deepwater.

Railways

Ala., Florence—Florence, Clifton & Paducah Railroad Co. has been incorporated to build a line from Florence, Ala., via Hollywood, Waynesboro, Clifton, Parson and Matfield, Tenn., to Paducah, Ky., about 175 mi.; Directors: A. P. Campbell, president; Miles W. Darby, vice-president Wm. H. Mitchell, attorney; W. M. Richardson, R. W. Drane, R. E. Meade and H. L. Reeder, all of Florence. W. L. Foy is secretary and treasurer and George R. Johnson, general manager. Contracts reported with Mr. Johnson, who is of Waynesboro, Tenn., and S. M. Porter of Caney, Kan., to obtain authorization of the line, make surveys, secure rights of way, etc., preliminary to actual construction. Capital stock \$25,000, of which \$8,000 is reported paid in. A short branch may be built to Savannah, Tenn.

Fla., Fort Myers—Notice of application to charter the Seaboard-All Florida Railway Co., with main office at Jacksonville, Fla., has been published, the purpose being to build an extension or extensions of the Seaboard Air Line Railway System as follows: A line from the Estero River in Lee County to connect with the line of the Naples, Seaboard & Gulf Railway (built or to be built) and thence north to Fort Myers, about 15 mi.; also from that place to Arcadia, Fla., north about 40 mi., or else to Fort Ogden, or near there, 48 mi.; or else to Venice, Fla., about 50 mi.; or else to connect with the Seaboard's West Palm Beach extension near Avon Park, Fla., about 80 mi. Capital stock \$5000; authorized indebtedness, \$25,000,000. Incorporators: G. M. Bishop, president; J. P. Snyder, vice-president and treasurer; W. T. Spencer, secretary, all of Baltimore, Md.

Ga., Perry—Perry & Southeastern Railroad Co. is chartered to build a line from Perry to Clinchfield, Ga., about 8 mi., to connect there with the Georgia Southern & Florida Railway. Capital \$75,000. Incorporators: W. A. Strother, J. P. Cooper, J. P. Duncan, J. A. Grubb, C. C. Miller, E. Holtzclaw and S. A. Nunn, all of Perry; C. S. Vance of Fort Valley, Ga.; F. Guenther of Kingsport, Tenn., and John A. Miller of Nazareth, Pa.

W. Va., Logan—Chesapeake & Ohio Railway Co. has authorized construction as follows: Harts to Big Creek, W. Va., right of way and grade of 4.3 mi. of new second track. Cost \$120,000; C. W. Johns, Richmond, Va., is Ch. Engr.

Railway Shops and Terminals

La., DeQuincy—J. A. Brown of the Gulf

Coast Lines, Houston, Tex., wires: Following improvements will be made at DeQuincy shops: one 100,000 capacity elevated steel water tank, Chicago Bridge & Iron Works, Chicago, Ill.; Contrs.: one 38x306-ft. wooden frame and corrugated iron car repair shed, own forces; 150x250-ft. steel frame and Robertson process metal covering storehouse, one 140x176-ft. steel frame and Robertson process metal covering machine and erecting shop, one 50x75-ft. steel frame and Robertson process metal covering power house, all erected by Orange Car & Steel Co. of Orange; one 12x100-ft. wooden frame sand and ice house, one 16x52-ft. and one 25x65-ft. latrine locker and wash house, one 44x40-ft. wooden frame corrugated iron wheel shop, one 6 stall wooden roundhouse extension to be erected by own forces; install one 250 h.p. Heine boiler, one 200 ton Whiting engine hoist by Whiting Corp., Harvey, Ill.; one 15 ton Milwaukee electric traveling crane by Milwaukee Crane Manufacturing Co., Milwaukee, Wis., and one 200 kw. General Electric generator and other shop machinery.

Road and Street Construction

Alabama—State Highway Comn., Montgomery, let contracts for 4 roads; Houston and Geneva Counties, 20.70 mi. sand clay, between Dothan and Hartford, J. E. Speight, Florala; Lamar County, 12 mi. gravel between Guin and Sulligent, Nixon & Phillips, Birmingham, \$158,048; S. J. Cummings, Gadsden, for bridges; Pickens County, 10.6 mi. gravel, between Carrollton and Alceville, Fennell & Toothacher, Tuscaloosa, \$103,688; Bullock County, 8 mi. gravel, between Union Springs and Fort Davis, D. Andrews, Americus, Ga., \$88,412.*

Ala., Albany—City plans laying sidewalks in various sections of city. Address City Clerk.

Ala., Birmingham—City Comn. let contracts at \$102,000 to pave 5 streets and lay sidewalks, curb and gutters on one street: Federal Asphalt Paving Co.; C. Browne; plans expending \$99,575 to pave 4 streets.

Ala., Birmingham—Allison, Russell, Withington Real Estate & Insurance Co., 2010 Fourth Ave., N., will receive bids to grade and pave streets in Lakeview sub-division, on Columbiana Highway.

Ala., Decatur—Morgan County receives bids July 13 to resurface several roads; estimated cost \$15,000 to \$20,000. Address County Commrs.

Ala., Fairfield—City receives bids about July 10 for 2 mi. hard surface paving; S. W. Caldwell, Engr., 4315 Tenth Ave., Wylam, Ala.*

Ala., Gadsden—City plans extending Broad St. across Sampson Park to water's edge on Coosa River. Address City Clk.

Ala., Mobile—State Highway Comn., Montgomery, receives bids July 8 for 11.67 mi. road between Mobile and Theodore. Mobile County, 43,110 cu. yd. common excavation and borrow, 12,889 lbs. reinforcing steel in culverts, 58,200 lbs. steel reinforcing in bridges, 123,251 sq. yd. one course plain cement concrete, cement concrete base, and 1-in. sheet asphalt on penetration base on gravel sub-base, 116,404 sq. yd. Warrenite bitulithic, bituminous concrete, rock asphalt or sheet asphalt; plans from W. S. Keller, State Highway Engr.

Ark., Batesville—City let contract to Kearney Construction Co., Columbian Mutual Tr., Memphis, at \$236,000 for 54,500 lin. ft. combined concrete curb and gutter, 800 lin. ft. concrete curb, and 76,700 sq. yd. Warrenite bitulithic pavement with sheet asphalt top; will sell bonds.*

Ark., Marianna—State Highway Comn., Little Rock, let contract to D. B. Hill, Little Rock, at \$19,220 for 12 mi. gravel surfaced road in Lee County, between Marianna and Chatfield.*

Ark., Paragould—Greene County Commrs. will let contract in 30 or 40 days for Hopkins Bridge highway, from Paragould to St. Francis River, total cost about \$190,000.

Ark., Warren—City, W. T. Thompson, Mayor, let contract to Cook & Raeson, Ottawa, Kansas, at \$75,498 to pave 12 blocks in business section, 5-in. concrete base, 1-in. layer of sand, 3-in. vertical vitrified brick, and macadam surface.

Florida—State Road Dept., Tallahassee, plans expending \$60,000 for 2 roads: Road No. 10 between Leon County line and Blocker's Ferry; road to Wakulla Beach.

Fla., Arcadia—See Land Development.

Fla., Avon Park—See Land Development. Fla., Avon Park—Town, G. L. Crews, Mayor, receives bids July 7 for about 100,000 sq. yd. street paving; J. W. Turner, Engr.

Fla., Bartow—See Land Development.

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Fla., Belleair—See Water Works.

Fla., Boynton—See Land Development.

Fla., Crescent City—See Land Development.

Fla., DeLand—Volusia County plans 40-mi. road leading into New Smyrna. Address County Commrs.

Fla., Dundee—Town, G. F. Kletzin, Mayor, receives bids July 7 for 55,000 sq. yd. street paving, and 15,000 sq. yd. Portland cement concrete sidewalks; plans, from John L. Olson, Clk., or H. J. Jaudon Engineering Co., Engr., Eustis and Leesburg, Fla., and Elberton, Ga.

Fla., Eagle Lake—Town, D. M. Delk, Clk., receives bids July 3 for 77,000 sq. yd. street pavement with necessary drainage and appurtenances, surface treatment, penetration and similar types of surfacing on Bartow clay or limerock foundation; plans on file and from E. V. Camp and Associates, Conslt. Supvg. and Testing Engrs., Bartow, Fla.

Fla., Fernandina—Nassau County plans extending State Road No. 13 from Baldwin to Yulee, via Bryceville, Callahan and Italia. Address County Commrs.

Fla., Fort Pierce—St. Lucie County plans 58 mi. roads through Vero, North County section, and connecting with present hard surfaced highways, with beach road on island from Quay Bridge to point south of Vero Bridge; voted \$490,000 bonds. Address County Commrs.*

Fla., Fort Pierce—City, W. Austin Smith, City Mgr., receives bids about middle of July for sheet asphalt on rock base, Florida limestone, penetration, concrete paving, approximate cost \$1,000,000; sidewalks, \$50,000; plans on file.*

Fla., Holly Hill—City plans paving and drainage; votes July 1 on \$110,000 bonds; L. Sherer, Mayor; J. C. Murphy, Clk.

Fla., Jacksonville—Duval County plans 7 roads, votes July 7 on \$1,500,000 bonds: Augustine Road No. 1; Atlantic Blvd. No. 2; Kings Road No. 3; Main St. Road No. 4; Orange Park Road No. 5; Third St. No. 91; Monerief Road No. 9, including bridges and approaches. Address County Commrs.

Fla., Jacksonville—Duval County Commrs., Road and Bridge Committee, contemplate extending Hogan road to Jacksonville Beach.

Fla., Lake City—City Comm., E. A. McColskey, Mayor, let contract to C. F. Lytle Co., Jacksonville, at \$244,000 for about 8 mi. concrete paving on principal residential streets.

Fla., Lake Worth—City plans widening Lake Ave.; I. H. Mann, City Engr.

Fla., Leesburg—See Land Development.

Fla., Miami—See Land Development.

Fla., New Smyrna—City plans 14 mi. paving; also bridge across Indian River, connecting New Smyrna with Coronado Beach, cost \$150,000. Address City Clerk.

Fla., Pensacola—City plans street paving and sewer construction; plans voting on \$350,000 bonds; Harvey Bayliss, Mayor.

Fla., Pompano—See Land Development.

Fla., Sarasota—See Land Development.

Fla., Sebring—City plans street improvement, votes in July on \$230,000 bonds; Lake Jackson Blvd., \$170,000; street paving, \$60,000. Address City Clk.

Fla., St. Augustine—See Land Development.

Fla., St. Petersburg—City Comm. receives bids this week to pave Tangerine Ave. from Sixteenth to Twenty-third, and from Twenty-third to Forty-ninth St.; R. E. Ludwig, Director of Public Utilities.

Fla., South Jacksonville—City Comm. plans expending \$89,184 for street paving; C. L. Cray, City Engr.

Fla., Tampa—City Comm., Wm. E. Duncan, Clk., receives bids June 23 to widen, pave and re-pave Seventh Ave. and Jackson St., 14,950 sq. yd. brick pavement re-laid, and new brick pavement, 7800 lin. ft. curbing, 11,600 sq. yd. grading; plans from City Engr.

Fla., Tampa—See Land Development.

Fla., Tampa—Hillsborough County Commrs. let contract to Highway Engineering & Construction Co., Selbyville, Del., at about \$240,000, to pave 12 streets in Sunset Park; to Cone Brothers, Ceasar and Walton Sts., at \$15,000 to pave Second Ave. from Bayshore Blvd. to Hills Ave.; to Union Paving Co., Tampa, at \$35,000 to pave Manhattan Ave. from Memorial Highway to Cypress Street.*

Fla., Wauchula—City plans street paving and improvement; voted \$50,000 bonds. Address City Clerk.

Fla., West Palm Beach—City, C. A. Birmingham, City Mgr., receives bids July 8 for asphalt and bituminous concrete street pav-

ing, cost \$1,000,000; plans from Thos. Henry, City Engr., after June 15.*

Fla., Winter Garden—City plans paving and sewer construction, including Lakeview and Dillard St. extensions to Lake Apopka, to connect with boulevard; votes July 1 on \$126,000 bonds. Address City Clerk.

Georgia—Georgia State Highway Department, East Point, let contracts for 6 roads and 5 bridges: Elbert County 8½ miles top soil, between Comer and Elberton, Wallace Construction Company, Atlanta, \$77,124; 3 bridges, E. M. William, Monroe, Ga., \$16,316; both awards subject to approval Elbert County Bond Comm.; Charlton County, 10 mi. surface treatment, between Waycross and Jacksonville, Sam E. Finley, North Ave., Atlanta, \$34,818; Clarke County, re-surfacing 4½ mi. penetration macadam, between Athens and Bogart, Sam E. Finley, \$13,757; Gilmer County, 3½ mi. macadam, between Ellijay and Jasper, R. L. Killian, Canton, Ga., \$60,064; 2 bridges, Sims & Clouts, Lafayette, \$19,241; Rockdale County, 9 mi. top soil, Atlanta-Convers-Covington highway, Wallace Construction Co., \$64,422; Cobb and Fulton Counties, surface treat ½ mi. hard surfaced road, between Atlanta and Roswell, Sam E. Finley.*

Ga., Atlanta—City received low bids at \$122,123, to pave 5 streets: J. R. Cothran, Southeastern Trust Co. Bldg.; Jamison & Hollowell, Chandler Bldg.; Sam E. Finley, 212 W. North Ave.

Ga., Fitzgerald—City plans street paving, connecting with highways; contemplates bond election. Address City Clk.

Ga., Fitzgerald—State Highway Dept., East Point, plans paving northern part of Dixie Highway in Ben Hill County.

Ga., Pelham—City will probably let contract to Davis Construction Co. to pave business and part of residential sections. Address City Clk.

Ga., Valdosta—State Highway Comm., East Point, receives bids in June for 9.528 mi. concrete Valdosta-Quitman road, Lowndes County, from Valdosta to Blue Springs.*

Ga., Waycross—Chamber of Commerce interested in paving streets from courthouse to State Highways.

Ga., Waycross—City plans curbing Williams St. Address City Clk.

Ga., Waycross—State Highway Dept., East Point, receives bids June 26 to surface Ware County portion of Central Dixie Highway; W. R. Neel, State Highway Engr.

Ga., Waycross—See Land Development.

Ky., Louisville—City, Board of Public Works, receives bids to rebuild 27 blocks of streets, approximate cost \$200,000.

Kentucky—State Highway Comm., Frankfort, receives bids July 13 for 9 roads: Boyd County, grade and drain 2.5 mi. Cannonsburg-Laurel Creek road, from intersection with Midland Trail at Cannonsburg to intersection with Mayo Trail near mouth of Laurel Creek; Carlisle County, grade and drain 4.8 Ballard County line; Hopkins County, grade and drain 3.4 mi. Madisonville-Hopkinsville, from point near Madisonville to corporate limits of Mortons Gap.

In Kenton County, .7 mi. rock asphalt or bituminous concrete on concrete base, or reinforced concrete; Lee County, grade and drain 3.3 mi. Beattyville-Jackson, from Blaine Branch to St. Helens; McLean County, grade and drain 4 mi. Owensboro-Beech Grove, from Beech Grove to Davless County line; 6.5 mi. Owensboro-Livermore, from Davless County line to near Livia to Livermore; 2.9 mi. Livermore-Central City, from Livermore to Island; Meade County, 6.3 mi. 16-ft. river gravel or bank gravel, unrolled, or water-bound macadam, Louisville-Puduchah, from about 1 mi. east of Garrett to Bradenburg R. R. Station; E. N. Tood, State Highway Engr.

Kentucky—State Highway Comm., Frankfort, plans 2 roads: Meade County, from Bradenburg Station toward Grahamton; Adair County, grade and drain 4 mi. from city limits of Columbia toward Greensburg; estimated cost \$46,642.

Louisiana—Louisiana Highway Comm., Raymond Bldg., Baton Rouge, received low bids for 2 roads: DeSoto Parish, 11.86 mi. gravel Logansport-Gloster, J. J. Beeson, Fullerton, \$46,615; LaSalle Parish, 3.69 mi. gravel Olla-Winnfield, King & Brown, Columbia, \$18,765.*

La., Baton Rouge—Comm. Council receives bids this week for 15,000 sq. yd. Warrenite bitulithic, sheet asphalt or asphaltic concrete on concrete base, 4800 cu. yd. excavation, 11,800 lin. ft. curb and gutter, 40 catch basins, 1500 lin. ft. pipe; plans on file and from J. W. Billingsley, Conslt. Engr.

La., Jena—Louisiana Highway, Comm.,

Raymond Bldg., Baton Rouge, received low bid from Banta Mutersbaugh, Inc., Gordon Bldg., Lake Charles, at \$52,000, for 6 mi. road between Olla and Jena, La Salle Parish, and \$17,000 for bridge over Turkey Creek near Winsboro.*

La., Lake Charles—Louisiana Highway Comm., Raymond Bldg., Baton Rouge, receives bids June 25 for 1.857 mi. roadway embankment on Vinton-Orange Highway, Calcasieu Parish; plans on file; W. B. Robert, State Highway Engr.

La., Monroe—Louisiana Highway Comm., Raymond Bldg., Baton Rouge, receives bids July 2 for 7.75 mi. gravel Monroe-Farmerville Highway, Ouachita Parish, from Monroe-Ruston highway to Union Parish line; plans on file; W. B. Robert, State Highway Engr. (See Machinery Wanted-Gravel).*

La., New Orleans—Louisiana Highway Comm., Raymond Bldg., Baton Rouge, receives bids July 2 for 4.17 mi. gravel Algiers-Belle Chasse Highway, from Behrman Ave. and Hero Blvd. to Gretna-Belle Chasse Highway; plans on file; W. B. Robert, State Highway Engr. (See Machinery Wanted-Gravel).*

La., New Orleans—City, Martin Behrman, Mayor, and Louisiana Highway Comm., Raymond Bldg., Baton Rouge, approved plans to pave Claiborne Ave. from Jefferson Parish line to Louisiana Ave.; estimated cost \$500,000.

La., Shreveport—City, S. G. Wolfe, Sec. Treas., receives bids this week for concrete sidewalks and grading along various streets.

Md., Baltimore—Municipal Dept. of Public Improvement, approved plan for 120-ft. boulevard connecting Dundalk section with Overlea; also contemplates opening Thirty-first St. from Carnegie to Eastern Ave.; Howard W. Jackson, Mayor.

Md., Hyattsville—Town, Irving Owings, Mayor, receives bids June 23 for 1100 sq. yd. concrete sidewalk, 6600 lin. ft. concrete curb, 8000 sq. yd. concrete pavement on Franklin and Guy Aves.; plans from Robt. B. Morse, Ch. Engr., Washington Suburban Sanitary Dist., Ralston Ave., Hyattsville; G. Hodges Carr, Clk.

Md., Upper Marlboro—State Roads Comm., 601 Garrett Bldg., Baltimore, received low bid from Ward & O'Connell, New Amsterdam Bldg., Baltimore, at \$44,818 for 1.52 mi. concrete surfacing along Defense Highway toward Collington.*

Mississippi—State Highway Dept., Jackson, plans grading and bridging 2 roads, Winston County, 20 mi. road from Louisville to Philadelphia, estimated cost \$200,000; Hinds County, 4.610 mi. Jackson-Tougaloo road, approximate cost \$48,000.

Miss., Corinth—Board of Aldermen, J. A. Lowe, Mayor, receives bids June 25 to grade, drain, lay combined curb and gutter, sidewalk extensions, relay sidewalks, water and sanitary sewer connections and about 36,900 yd. sheet asphalt pavement on 7 streets, including Webster, Cass, Madison; plans from H. T. Sharp, Clk., or Robt. L. Totten, Inc., Conslt. Engr., Brown-Marx Bldg., Birmingham, Ala.

Miss., Louisville—City, A. A. McNeal, Clk., let contract to Hogan Construction Co., Little Rock, Ark., at \$79,000 for 25,000 sq. yd. grading, draining and Willite process sheet asphalt on concrete base paving, 17,500 lin. ft. monolithic concrete curb and gutter, and 27 inlet grates.*

Miss., McComb—City will expend about \$25,000 for 5500 ft. curb and gutter, 6000 sq. yd. sidewalks and storm sewers; Lee W. King, City Engr.*

Miss., Rolling Fork—Sharkey County Board of Suprvs. receives bids June 23 to gravel surface section state trunk line between Vicksburg and Rolling Fork; George Denham, Office Engr., State Highway Dept., Jackson.

Miss., Woodville—Wilkinson County Board of Suprvs. plans gravel road to connect Prentiss Highway with gravel road at Louisiana line; contemplates \$40,000 bond election.

Mo., Cape Girardeau—City receives bids June 12 to pave 13 additional blocks of streets, including Spanish, Bellevue, Pacific St.; cost \$60,000. Address City Clk.

Mo., Carrollton—City plans paving East Benton St. from end of pavement to top of hill. Address City Clerk.

Mo., Joplin—City receives bids about June 30 for 16,000 sq. yd. 24-ft. one course concrete pavement on W. Seventh St.; S. P. Ashcraft, Jr., City Engr.*

Mo., Kansas City—City plans widening Sixty-third St. from Brookside Blvd. to Troost Ave. Address Mayor Beach.

Mo., Kansas City—Jackson County plans

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grading and draining County's part of Richards Field road from city limits, near Seventy-first St. in Swope Park to State Highway No. 12, Knobtown road, 40-ft. roadway, 20-ft. parkway on each side.

Mo., Mexico—City plans resurfacing Jefferson St. with asphaltic cement concrete. Address City Clerk.

Mo., Springfield—Greene County, Battlefield Special Road Dist., J. M. Young, Pres., plans 3 mi. macadam road north and south through Battlefield; sold bonds.

Mo., Springfield—City let contracts for street improvement: To Edgar V. Koch at \$2.50 per sq. yd., to pave and 30 cents per lin. ft. for curbing Sherman Ave. from Central to Division; H. Proserpi, at 74¢ cents per lin. ft., for sidewalks on Prospect from High to Turner. Address City Clk.

Mo., St. Louis—See Land Development.

Mo., St. Louis—Board of Public Service received low bids at \$152,757 to pave 16 streets with asphaltic concrete, vibrolithic concrete, asphalt and concrete; Eylermann Construction Co., 1216 S. Grand Ave.; Skrainka Construction Co., Security Bldg.; Perkinson Bros. Construction Co., 3237 Carter St.; Webb-Boone Paving Co., Trinidad Asphalt Paving Co., Central Paving & Construction Co., 6161 Maple St.

N. C., Asheville—J. T. Horney let contract to Wells Construction Co., Technical Bldg., to grade streets in French Broad Terrace, on Haywood road, West Asheville.

N. C., Asheville—See Land Development.

N. C., Biltmore—Town, E. G. Ashworth, Clk., plans building and resurfacing streets; contemplates \$25,000 bond election.

N. C., Elizabeth City—Pasquotank County Highway Comm., let contract to D. E. and E. L. Williams, Elizabeth City, at \$50,000 for 2.3 mi. 9-ft. concrete fork road, including 10 culverts and one 30-ft. bridge.*

N. C., Raleigh—Wake County Commrs. receive bids June 15 to grade highway from Raleigh to Raleigh-Cary Highway, at Woodall's Filling Station, 22,000 cu. yd. common excavation; R. L. Watkins, Road Supt.

N. C., Roxboro—State Highway Comm., Raleigh, will let contract this fall to grade and construct drainage structures on 14 mi. road from Roxboro to Virginia line.

Oklahoma—State Highway Comm., Oklahoma City, receives bids June 16 for 16 roads and 6 bridges and culverts: Stephens County, 9.437 mi. grading and drainage structures from Duncan easterly, 54,843 cu. yd. earth, loose and solid rock excavation, borrow and overhaul, 11,700 lbs. reinforcing steel, 24,800 lbs. structural steel; Love County, 86.081 mi. through Thackerville, 44,530 cu. yd. earth, loose and solid rock excavation, borrow and overhaul; Wagoner County, 4.021 mi. north and south of Wagoner, 23,399 cu. yd. earth, loose and solid rock excavation and borrow; Harmon County, drainage structures on State Highway No. 7, and drainage structures and earth fills on State Highway No. 9, 5,499 lbs. reinforcing steel; Okfuskee County, 1.95 mi. grading, drainage structures and concrete at Weleetka; Logan County, 12.5436 mi. northeasterly to Noble County line, 98,776 cu. yd. earth, loose and solid rock excavation; Nowata County, 5.238 mi. from Nowata to Delaware, 8464 cu. yd. earth, loose and solid rock excavation, also 120-ft. steel bridge, 19,300 lbs. reinforcing steel, 119,000 lbs. structural steel; Garfield County, 6.139 mi. south to Covington, 20,116 cu. yd. earth, loose and solid rock excavation; 3.121 mi. north to Garber, 5424 cu. yd. excavation; Hughes and Okfuskee County, 9.013 mi. from Wetumka to Weleetka, 60,938 cu. yd. loose and solid rock excavation, 4 bridges/ Over Barron, Duncan and Evansville creeks, steel truss and concrete arch, 272,252 lbs. reinforcing steel, 434,000 lbs. structural steel; Payne County, concrete culvert, 3490 lbs. reinforcing steel; J. M. Page, State Highway Engr.

Okl., Cordell—City let contract to J. H. Baldwin Co., Pawhuska, at about \$17,000, for 5 blocks street paving.

Okl., Sulphur—Geo. E. Goodwin, Ch. Civil Engr., National Park Service, let contract to Johnson Brothers, Ardmore, to rebuild roadways in Platt National Park; E. L. Bandy, Engr. in charge.*

Okl., Sulphur—See Land Development.

S. C., Allendale—Town let contract to Claussen-Lawrence Construction Co., 1473 Greene St., Augusta, Ga., at \$25,005, to pave business section on Railroad Ave. and Main St.*

S. C., Clinton—Town, J. F. Jacobs, Mayor, will receive bids for street paving.*

S. C., Laurens—Laurens County Highway Comm. plans building 4 or 5 roads, including

top-soll road from Laurens to Brands, through Pearidge section to Jones Ford Bridge, connecting with road from Clinton to Lanford Station, and from Cross Hill to Clinton-Belfast road; \$250,000 available.

S. C., Winnsboro—Fairfield County and State Highway Dept., Columbia, let contracts for 2 top soll roads: 11.644 mi. State Route No. 161, J. F. Blankenship, Greenwood, \$54,000; 3.597 mi. State Route No. 2, J. L. Carroll, Columbia, \$40,000.*

Tenn., Clarksville—Board of Aldermen plan expending about \$20,000 to pave N. Second St. from College to Clarksville hospital property; surface, widen and extend Legion St. from First to Third; plan improving Castle and First St.

Tenn., Knoxville—See Land Development

Tenn., Nashville—Board of Public Works plans paving and repairing streets, including Ligon Lane, Twenty-eighth Ave.

Tex., Amarillo—H. B. Jones, Engr., preparing plans for paving in Glenwood Addition, estimated cost \$60,000; J. D. Bartlett, Mgr.

Tex., Boston—Bowie County let contract to Tibbets Construction Co., Joseph Bldg., Fort Worth, at about \$297,162 for 8.66 mi. 18-ft. concrete on State Highway No. 48, from city limits to Texarkana; D. K. Caldwell, County Engr.; S. I. Robinson, County Judge.

Tex., Childress—City let contract to Jordan Construction Co., Plainview, at about \$250,000, to pave 60 or 70 blocks in residence section with brick, on 4-in. concrete base, asphalt filled.

Tex., Dickens—Dickens County received low bid from J. F. Hamer, Flat Iron Bldg., Fort Worth, to grade, bridge and surface 12.44 mi. State Highway No. 18, Dickens-Matador road.*

Tex., Fairfield—Freestone County Commrs. received low bid from J. D. Paxton, Palestine, at \$15,937 to grade and bridge 6.83 mi. State Highway No. 7, Teague-Fairfield road.*

Tex., Hondo—Medina County will receive bids soon for 2 roads: 1.57 mi. rock asphalt State Highway No. 3, from Dunley to Sta. 683-00; 11.55 mi. State Highway No. 3, from Bexar County line to Sta. 608-00; Walton & Arneson, Engrs., Gunter Bldg., San Antonio; R. J. Noonan, County Judge, Hondo.

Tex., Huntsville—Walker County Commrs. plan 2 roads: Highway No. 45, from Huntsville to Navasota; Highway No. 32.

Tex., Huntsville—Walker County let contract to Reynolds & Sutton, Tyler, at \$56,233, to grade 15½ mi. State Highway No. 19.*

Tex., Marshall—City, P. M. Herndon, City Sec., receives bids this week to improve Grand Ave. from Young to Bishop, and Bishop from Grand to Burleson, in Improvement Dist. No. 25, 6780 sq. yd. reinforced concrete paving, 3935 lin. ft. concrete curb and gutter, 2500 cu. yd. excavation, 1020 lin. ft. 10 to 24-in. storm sewers, 10 storm sewer inlets; plans from M. Ramsay, City Engr.*

Tex., Orange—Orange County Commrs. Precinct No. 4 plans grading and surfacing 3 roads: Vidder-Evendale, Vidder-Mauriceville—and Mauriceville-Texia roads; contemplates \$60,000 to \$75,000 bond election. Address County Commrs.*

Tex., Richmond—City, F. P. Bell, Mayor, plans street improvement; voted \$20,000 bonds.*

Tex., Richmond—Fort Bend County Commrs. plan building and maintaining roads in 2 districts; voted bonds; Beasley Dist. Road Dist. No. 10, \$150,000 bonds; Tavenor Dist., Dist. No. 9, \$50,000 bonds; O. H. Kendall, County Engr., Sugarland.*

Tex., Stamford—Jones County will receive bids soon to grade and bridge 15.57 mi. State Highway No. 18, from Stamford to Shackelford County line, estimated cost \$73,000; J. W. Puckett, County Judge.

Tex., Sherman—Grayson County Commrs. plan improving highways; contemplate \$5,000,000 bond election.

Tex., Vernon—City Comm. let contract to J. P. Poty Construction Co., Wichita Falls, at about \$100,000, for 29 blocks concrete paving in various business and residence sections.

Tex., Wichita Falls—City let contract to Plains Paving Co., Staley Bldg., at \$17,887 to pave Indian Heights Blvd., and Onaway Trail; plans 4 mi. paving through Park property, from Holliday St. to Lake Wichita road; F. M. Rugeley, Engr.

Tex., Wichita Falls—Wichita County receives bids June 22 for ½ mi. gravel on Burk-Fairview road; J. M. Isbell, Engr.; B. D. Sartin, Judge.

Virginia—State Highway Comm., Richmond, received low bids for 3 roads: Sussex County, 1.664 mi. concrete through Waverly, E. P. Lindsay, 312 King St., Portsmouth, \$54,331; Wise County, .875 mi. near Coeburn, Jenkins Construction Co., Norton, \$42,714, bituminous macadam, \$45,731, concrete; 2.4 mi. near Cranes Nest Commissary, Jenkins Construction Co., \$67,951, bituminous macadam, \$91,109, concrete.*

Va., Bristol—City plans laying street covering Beaver Creek, from State to Cumberland St.; Address City Engr. Fawcett, or City Mgr. Keller.

Va., Chatham—Pittsylvania County Board of Supvrs. let contract to T. C. Larrimore, Danville, to hard surface 1.2 mi. Ringgold road.

Va., Rustburg—Campbell County Board of Supvrs. receives bids June 15 for 3113 sq. yds. 6-ft. bituminous macadam on .88 mi. Campbell Ave.; plans from County Clk. and State Highway Comm., Richmond.

Va., Scottsville—State Highway Dept., Richmond, plans 6 mi. sand-clay Scottsville-Union Fork road.

Va., Scottsville—Town plans resurfacing paved streets. Address Town Clerk.

W. Va., Bluefield—City received low bid from R. B. Berry, at \$7553, to pave Second St. Address City Clerk.

W. Va., Clarksburg—Harrison County Court let contract to Paul S. Horner Co., Goff Bldg., at about \$15,000, for bituminous macadam road from Wyatt to Marion County line.

W. Va., Fayetteville—Fayette County Court, Thomas Boone, Clk., receives bids July 6 to pave 7 mi. Kincaid-Deepwater road, Kincaid Dist., with cement concrete or bituminous macadam; plans from Geo. H. Siems, County Road Engr., Fayetteville.

W. Va., Huntington—Board of Commrs. receives bids June 22 to grade, curb and pave Elwood Ave., and Carlton St.; plans on file and from A. B. Maupin, City Engr.

Sewer Construction

Ala., Gadsden—City, W. E. Wier, votes July 7 on \$10,000 bonds for sanitary sewers.

Ala., Montgomery—City will construct southern outfall sewer, cost \$125,000. Address The Mayor.*

Ark., Smackover—F. A. Humphreys, Camden, are engineers for Smackover Sewer District No. 1; will let contract about June 15; cost \$35,000.

D. C., Washington—Following were lowest bidders for sewer construction: Warren F. Brenizer Co., 101 New York Ave., N. E., for 4 jobs covering total of 6480 ft. of service sewers from 10-in. to 18-in. in diam.; Wm. F. Cush, Inc., Third and R Sts., N. E., for 3 jobs covering total of 2325 ft. of sewers from 10-in. to 4 ft. 6-in. in diam.; Merle Cain Co., Inc., 12 Sixth St., N. E., for constructing 2095 ft. of 7 ft. diam sewer, and 30 ft. of junction chamber.*

Fla., Arcadia—See Land Development.

Fla., Fort Lauderdale—City contemplates voting on \$500,000 bonds for sewer, disposal plant and incinerator. Address The Mayor.

Fla., Arcadia—City voted \$310,000 bonds for sewers and water works, \$10,000 for white way. Address The Mayor.*

Fla., Avon Park—See Land Development.

Fla., Fort Pierce—City, W. Austin Smith, Mgr., opens bids about July 15 for sanitary sewer system, cost \$125,000; portion of work let to Morgan Hill Paving Co., Central Arcade Bldg., Miami.*

Fla., Miami—See Land Development.

Fla., Okeechobee—See Land Development.

Fla., Pampano—See Land Development.

Fla., Pensacola—See Road and Street Construction.

Fla., Sebring—See Water Works.

Fla., St. Augustine—See Land Development.

Fla., St. Petersburg—City, Ernest Kitchen, Director of Public Works, is having plan prepared for sewage disposal plant and sanitary sewer extension; install sewage pumping equipment.

Fla., Tampa—See Land Development.

Fla., Tampa—City Comsn. authorized construction of additional storm sewers; R. D. Martin, City Engr.

Fla., Wauchula—See Water Works.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Fla., West Palm Beach—See Electric Light and Power Plants.

Fla., Winter Garden—See Road and Street Construction.

Ky., Jackson—See Water Works.

Ky., Louisville—Comms. of Sewage, Board of Trade Bldg., receives bids June 30 for constructing Valley Ave. and Payne St. sewer. (See Machinery Wanted—Sewer Construction.)

Miss., Corinth—See Road and Street Construction.

Miss., McComb—See Road and Street Construction.

Mo., Kansas City—Board of Public Works let contract at \$24,937 to P. J. Lavan for sewer on Seventy-third St.

Mo., Kansas City—Board of Public Works opens bids June 25 for combined storm and sanitary sewer, known as Gooseneck Sewer. (See Machinery Wanted—Sewer Construction.)

N. C., Asheville—See Land Development.

Okla., Sulphur—See Land Development.

N. C., Chapel Hill—City, W. R. Roberson, Mayor, receives bids June 24 for sewer improvements. (See Machinery Wanted—Sewer Construction.)

N. C., Newton—See Water Works.

Okla., Blackwell—City will construct 15,000 ft. of 8-in. v. c. sewer, 3000 ft. v. c. sewer, install 18,000 ft. of 8 and 10-in. v. c. pipe, 15 ft. lift, 8-in. pumps, 2 sewer pumps, 8-in. and 2 motors; Wm. Ritz Haupt, Jr., City Engr.

S. C., Clinton—City, J. F. Jacobs, Mayor, will construct sewers. (See Machinery Wanted—Sewer Material.)

Tenn., Knoxville—City, Alexander Harris, Director Public Service, opens bids June 16 for constructing Lonsdale sewer system; cost \$75,000.

Tenn., North Chattanooga—City, W. S. Beck, Mayor, votes July 7 on \$100,000 sewer extension bonds.

Tex., Dallas—Municipal Excavating Co., 800 N. Crawford St., has contract for 3000 ft. of 12-in. sewer; Koch & Fowler, Engrs., 606 Central Bank Bldg.

Tex., Edinburgh—City let contract to W. I. Pearson & Co., at \$70,000, for constructing approximately 6 miles of sewer mains.

Tex., San Antonio—McKenzie Construction Co., Bedell Bldg., lowest bidder, at \$89,000, for construction of outfall sewer; I. Ewig, City Engr.

Tex., Weimar—City Council considering installation of sewer system.

Telephone Systems

D. C., Washington—Chesapeake & Potomac Telephone Co., Geo. H. Warren, Div. Mgr., 5 Light St., Baltimore, Md., expend approximately \$313,995 on improvements; remodel building of Lincoln and North Central offices, place additional equipment at Adams, Columbia and Franklin Central offices, underground cable at various offices and miscellaneous plans, additions, etc.

Fla., Palm Beach—Western Union Telegraph Co., J. Combs, Mgr., plans extensive improvements; leased second floor in Sheen Bldg., for traffic bureau and bookkeeping dept.; remodel old building for city commercial headquarters.

La., Shreveport—Cumberland Telephone & Telegraph Co., Frank Colvert, Dist. Mgr., soon invite bids for exchange building, 4-story, brick, concrete and stone; estimated cost \$400,000; equipment will include automatic switchboard; Mayrs, Alger & Alger, Archts., Walton Bldg., Atlanta, Ga.

Md., Baltimore—Chesapeake & Potomac Telephone Co., 5 Light St., obtained permit for addition to Homewood exchange cor. Guilford Ave. and Thirty-first St., 3-story, 50 x 76-ft., brick and concrete; estimated cost \$100,000.*

Miss., Jackson—Cumberland Telephone & Telegraph Co., reported, building 8-story office building cor. Capitol and Lamar Sts., for local plant and provide offices for Mississippi division.

N. C., Burnsville—Appalachian Telephone Co., capital \$25,000, incorporated; J. M. Lyon, W. S. Bray.

Okla., Oklahoma City—Southwestern Bell Telephone Co., R. A. Band, Buildings and Supplies Supt., advises: Construction of automatic switchboard plant, together with office building, will not be erected for probably two or three years.*

Okla., Tecumseh—Tecumseh Telephone Co., Wilson Kirkpatrick, Pres., has begun con-

struction of \$25,000 building; install equipment.

Tenn., Knoxville—Peoples Telephone & Telegraph Co., J. C. Duncan, Pres., will probably operate broadcasting station; estimated cost between \$10,000 and \$20,000.

Va., Richmond—Larus Brothers & Co., Twenty-second and Cary Sts., will install radio station in connection with new plant addition, minimum power of 1000 kw.; steel towers, each 125 ft.; to be latest design manufactured by Western Electric Co.

Textile Mills

Ga., Rossville—National Yarn & Processing Co., T. H. McKinney, Pres., let contract to Mark K. Wilson Co., Chattanooga, Tenn., for erection of plant, and to Fred Cantrell of Chattanooga for entire mechanical equipment, including sprinkler system, heating, plumbing and electrical work.*

Ga., Shannon—Southern Brighton Mills, Passaic, N. J., let contract to Fiske-Carter Construction Co., Greenville, S. C., for manufacturing plant; no sub-contracts let; J. E. Serrine & Co., Engrs., Greenville.*

N. C., Belmont—Belmont Processing Co., capital \$2,000,000, incorporated; D. E. Rhyne, Lincolnton; A. C. Lineberger, Belmont.

N. C., Catawba—Dr. C. A. Little let contract for erection of building 36x70 ft., install electric power; building will be occupied by Elliott Knitting Mills of Hickory.

S. C., Anderson—Gluck Mills receives bids June 15 for construction of 1 story, 75x150 ft. warehouse, 100x50 ft., 2 stories.

S. C., Cowpens—Moore Mills, capital \$80,000, incorporated; Malcolm Moore, W. A. Moore; acquired Cowpens Cotton Mills.*

Tex., Yoakum—C. Mankin of Liberty Hill reported interested in hosiery mill.

Tenn., Chattanooga—Davenport Hosiery Mills, T. Walter Fred, Pres., opens bids June 20 for 2-story, reinforced concrete building on E. Eleventh St. for manufacture of Humming Bird hose; Lockwood, Greene & Co., Engrs., Atlanta, Ga.*

W. Va., Martinsburg—The Interwoven Mills, Inc., advises: Have not awarded contract for storage building as work will be handled by own forces and all materials, etc., bought from this office.

Water Works

Ala., Attalla—Alabama Water Co., Albany, will construct 500,000-gal. reservoir, install pumping station, lay water mains; expend about \$67,000.*

Ala., Phenix City—City, Ashby Floyd, Mayor, will soon call for bids for construction of water works system.*

Fla., Arcadia—See Sewer Construction.

Fla., Arcadia—See Land Development.

Fla., Avon Park—See Land Development.

Fla., Bartow—See Land Development.

Fla., Boynton—See Land Development.

Fla., Belleair—Town has had plans prepared by John Nolen, Cambridge, Mass., for modern lay-out; is expending \$300,000 for dredging bay, deepening harbor and building seawall entire distance of water front; is receiving bids on complete water works system, gas and electric lights; will also receive bids for street paving, curbing, cement sidewalks, etc.; expend about \$500,000.

Fla., Crescent City—See Land Development.

Fla., Dania—City voted \$33,000 bonds for water works addition; \$15,000 for street lighting system. Address The Mayor.*

Fla., Fort Pierce—City, W. Austin Smith, Mgr., will open bids about July 15 for water mains extensions, cost \$200,000.

Fla., Holly Hill—City votes July 1 on \$110,000 bonds for drainage and paving; \$70,000 for water works system; L. Sherer, Mayor.

Fla., Key West—See Land Development.

Fla., Leesburg—See Land Development.

Fla., Miami—See Land Development.

Fla., Okeechobee—See Land Development.

Fla., Orange City—J. C. Comac acquired Orange City Water Works.

Fla., Plant City—City votes in August on \$60,000 water works bonds; W. C. Wells, Mayor.

Fla., Pompano—See Land Development.

Fla., Sarasota—See Land Development.

Fla., Sebring—City votes in July on \$300,000 bonds for light and water plant; \$45,000 for sanitary sewer extension; \$20,000 for storm sewers; \$70,000 for recreation parks and piers. Address The Mayor.

Fla., St. Augustine—See Land Development.

Fla., St. Petersburg—City, R. E. Ludwig, Director of Public Utilities, recommended expenditure of \$1,965,000 for extensions to water works, gas plant, power plant.

Fla., Tampa—See Land Development.

Fla., Wauchula—City voted \$150,000 bonds for extension of water and sewers, \$8000 for extending white way system. Address The Mayor.

Ky., Jackson—City engaged A. B. Hargis, Engr. for water distributing system, filtration plant and pumping station on North Fork of Kentucky River, also for sewer system.*

La., Lake Charles—Jos. Bowles, Mgr., Lake Charles Electric Co., engaged Burns & McDonald Engineering Co., 402 Interstate Bldg., Kansas City, Mo., to make complete survey of water system, pending improvement; expend \$100,000.

Md., Baltimore—Public Improvement commission is planning construction of 2 water mains to Brooklyn and Curtis Bay; cost \$500,000.

Md., Mount Airy—City considering installation of water supply system; A. R. Molesworth, Mayor.

Miss., Corinth—See Road and Street Construction.

N. C., Asheville—City, Frank L. Conder, Comms. of Public Works, considering erection of pipe line from watershed to city; cost \$350,000.

N. C., Asheville—See Land Development.

N. C., Biltmore—City plans expending \$15,000 for water works and \$5000 for electric lights; E. G. Ashworth, Clk.

N. C., Newton—City let contract to Elliott Building Co., Hickory, for installing water and sewer extension; Spoon & Lewis, Consult. Engrs., American Bank Bldg., Greensboro.*

Okla., Bristow—City contemplates voting on \$45,000 water bonds. Address the Mayor.

Okla., Muskogee—Burns & McDonnell, Engrs., Kansas City, Mo., preparing plans for \$100,000 filtration plant; will soon vote on bonds.

Okla., Norman—City voted \$100,000 water works bonds and \$25,000 sewer extension bonds. Address the Mayor.*

Okla., Sulphur—See Land Development.

S. C., Clinton—City, J. F. Jacobs, Mayor, will expend \$30,000 for water main extension.

Tenn., Columbia—J. B. Rees has contract for installing water and light system at county poor farm.

Tenn., McMinnville—City considering improvements to water work system. Address The Mayor.

Tex., Houston—Universal Construction Co., has contract for \$19,900 for pump house at city water works, brick and reinforced concrete.

Tex., Mexia—City, W. B. Kendrick, Mgr., contemplates installing water system.

Tex., Port Arthur—National Cast-Iron Pipe Co., 1315 Sante Fe Bldg., Dallas, has contract for 30,000 ft. of water pipe.*

Tex., Richmond—City, T. P. Bell, Mayor, voted water bonds.

Va., Rural Retreat—Town, A. H. Price, Mayor, has tentative plans for water works system from Little Cedar Springs, pumped by centrifugal electric pumps to a 200,000 gal. concrete reservoir; \$42,000 available.*

Woodworking Plants

Fla., Jacksonville—Florida Furniture Corp., capital \$1,000,000, chartered; H. L. Anderson, Sec., Atl. Natl. Bank Bldg.

Ky., Barbourville—T. W. Minton & Co. acquired 20-acre site, will erect band mill, warehouse, turning dept., dry kilns, blower system, etc.; wants prices on water tanks for fire protection. (See Machinery Wanted—Water Tanks.)

Ky., Danville—Southern Furniture Co., capital \$10,000, incorporated; H. A. Richardson, B. H. Kimble.

Ky., Louisville—American Box and Crate Co., 21st and Magnolia Sts., increased capital, \$15,000 to \$100,000.

La., Opelousas—Debleux Lumber Co., Inc., contemplates building slack barrel cooerage plant.

La., Shreveport—Southland Furniture Co., capital \$20,000, incorporated; Gay Martin, 1138 King's Highway.

Mo., Kansas City—Caskets, etc.—Kant-D-Kay Products Co. leased building cor. Eligh-

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teenth and Kansas Ave.; will remodel and enlarge.

N. C., Raleigh—Mulligan Furniture Co., capital \$100,000, reorganized; L. C. Mulligan, Leesville Rd.

Tenn., Chattanooga—Red Cedar Manufacturing Co., capital \$10,000, reorganized; T. T. Rankin, Vol. Life Bldg., acquired the Acme Red Cedar Manufacturing Co.

Tenn., Portland—Highland Rim Furniture & Veneering Co., Paul R. Moore, Mgr., have begun construction of plant, 2-story, 50x300-ft.; install veneering and crate equipment; daily output 20,000 crates and 250 chairs, etc.; machinery furnished by P. B. Yates Co., Beloit, Wis. and St. Joe Iron

FIRE DAMAGE

Ala., Anniston—Marbury Lumber Co.'s offices, boiler room and adjacent buildings.

Ala., Gadsden—Streip Bakery and other buildings; loss \$20,000.

Ark., Helena—J. V. Stimson Hardwood Co.'s plant, loss \$100,000.

Ark., Little Rock—Brown-Pearson Co.'s building, J. G. Love's store, H. F. Buhler's wagon yard, residences of H. C. Gibson, Walter McNew; Shelton Meat Market, other buildings; loss \$200,000.

Ark., Junction City—Lumber yard and buildings of Junction City Lumber Co.; loss \$10,000.

Fla., Knights—J. G. Kensett's residence near Knights; loss \$25,000.

Fla., Miami—S. H. Kress & Co.'s store building; Burdine's Sons Department Store; loss \$300,000.

Fla., Sarasota—Indian Beach Lumber Co.'s plant at Hillcrest; loss \$20,000.

Ga., Atlanta—V. H. Kriegshaber warehouse leased by Roff Sims & Co.; plant of Wizard Products Co., Inc.

Ga., Commerce—Kelly N. Sharp's residence; loss \$15,000.

Ga., Culloden—Planing mill and lumber yard of Venus Means; loss \$40,000.

Ga., Senoia—Residences of J. H. Reed and J. W. Caldwell; loss \$12,000 to \$15,000.

Ky., Owsley—Store of W. M. Spears, Hurricane Creek, housing postoffice; loss \$10,000.

Ky., Pikeville—Two dwellings owned by E. L. Francis; 1 by Robt. Williams.

Ky., Princeton—Caldwell County courthouse. Address County Commrs.

Ky., Stephensport—Lawler & Jagers Milling Co.'s plant; loss \$20,000.

La., Lake Charles—Lake Charles hotel building, Ryan and Bleden Sts., owned by A. S. Darte; John H. Poe's residence; loss \$20,000.

La., Lake Charles—Eckard Motor Co.'s building, loss \$50,000.

La., New Orleans—The Seinsheimer Paper Co., 525 S. Peters St., and adjoining buildings.

La., Shreveport—Randall-Philliquier building, Market St., owned by Leon I. Kahn, Charles and Lucille Horn; building at Milam and Spring Sts., owned by Ward Estate; loss \$50,000.

La., Urania—Buildings owned by E. B. Randall; total loss \$25,000.

Md., Baltimore—Sash and door plant of Joseph H. Sumner & Son, at 1401 N. Register St.

Md., Mt. Airy—Marion V. Runkles, grain mill; F. B. Zepp, merchandise store; store of Robert L. Runkles owned by Mrs. R. L. Runkles; C. C. Riddlemoser, electric shop; Walter Nikirk, meat and grocery shop, owned by A. R. Molesworth; Rudy & Burdette, furniture establishment, owned by Prosperity Lodge of Odd Fellows; First National Bank building; office of Norman Hood and Gurney Breahears' store, both owned by M. V. Runkles; Walter R. Rudy, tin shop; loss \$200,000.

Miss., Hattiesburg—Automobile body manufacturing plant of Martin-Parry; loss \$250,000.

Miss., Hickory Flat—Dwelling on C. J. Brents plantation, occupied by Mr. Miller.

Miss., McComb—P. Neilson, plumber; Frank Matthews, paint store; Mrs. T. Thompson, boarding house; Sid Jones, residence; loss \$30,000.

Mo., Gideon—Gideon-Anderson Lumber Co.'s mill No. 1; loss \$20,000.

Mo., Kansas City—Amusement buildings at

Electric Park owned by M. J. Helm; loss \$150,000.

Mo., Seymour—M. R. Richman, dry goods and groceries; J. D. Newton, 2 buildings; Seymour Citizen plant; loss \$40,000. (See buildings Proposed—Stores).

Mo., Warrensburg—Roseland Farm & Manufacturing Co.'s main building and machinery room; loss \$25,000.

N. C., Asheboro—Methodist Protestant Church parsonage, Rev. H. F. Fogleman, Pastor; loss \$10,000.

N. C., Burlington—Stores of E. L. Bowland, Miss Evie Gross and C. L. Sellers; loss \$10,000.

Okla., Hodgins—Wetlon & Co., Hodgins Drug Co., Bates-Hall Mercantile Co., Polly Ann Grocery, Buck Wright garage, Postoffice building, J. P. Stacy barber shop; loss \$71,000.

S. C., Aiken—Whitehall, residence of J. L. Shapiro, Boston, Mass.; loss \$45,000.

S. C., Greer—Victor Mill Y. M. C. A., owned by Victor-Monaghan Co.

S. C., Sumter—Krystal Motors Co. and W. H. Shelley & Son building, owned by C. G. Rowland & Sons; loss \$30,000.

Tenn., Chattanooga—Rose Drug Co.'s building at 300 E. Ninth St., loss \$12,000.

Tenn., Clarksville—Mrs. A. Wettstein's 8-room tenement, Gupion Ave.

Tenn., Columbia—E. D. Looney's residence, W. Sixth St.

Tenn., Hornsby—W. C. Lowrence, storehouse; Doyle & Davis, store; Dr. W. L. Lockman, office; postoffice. Address Postmaster; H. F. Tennyson, store; Bank of Hornsby; J. E. Mitchell Co. building; loss \$50,000.

Tex., Austin—Warehouse at Camp Mabry; loss, including contents, \$500,000; Mark McGee, Adjt. Gen.

Tex., Breckenridge—Three warehouses of Texas Carbon Industries Co.; loss \$50,000.

Tex., Seguin—Warehouse of Seguin Mattress Factory.

Tex., Dallas—Automotive Electric Co.,

913-19 S. Ervay St., South Dallas; loss \$40,000.

Tex., Gainesville—J. M. Hull grocery and other buildings.

Tex., Huntsville—Residences of Len Vause, Paul Vause, C. L. Preston, Chas. McDonald, Jack Rhodes; loss about \$30,000.

Tex., Ovalo—Al D. Boozer, barber shop; White's Confectionery; Dr. Head, drug store; M. S. Self, cold drink stand; First State Bank; Masonic Hall; all building owned by R. C. Lewis, Abilene; W. J. Williams, general store; J. R. Keeling, feed store; total loss, \$90,000.

Tex., Sulphur Springs—The Sulphur Springs Daily News-Telegram, Hopkins County Echo and several other buildings; loss \$30,000.

Tex., Tell—First State Bank, C. H. Gerhart's Grocery, Ford Grocery, Odd Fellows Hall, Barnes Confectionery; loss \$40,000.

Va., Bristol—Building occupied by Bristol Furniture Store, Howdy Store and apartments; loss \$20,000.

Va., Charlottesville—Barn and outbuildings on estate of J. Addison Patterson, Philadelphia, Pa.; loss \$100,000.

Va., Clifton Forge—Mrs. L. M. Sizer's storeroom in Iron Gate.

Va., Saltville—Sauls & McNew's garage building, loss \$40,000.

Va., Warrenton—Richard Wallach's residence on Fenton Farm near Warrenton.

W. Va., Fairmont—Sapper Dry Goods Store; loss \$30,000.

W. Va., Lumberport—Setnick Coal Mining Co.'s tippie at Catherine mine; loss \$10,000.

Damaged by Storm

Tex., Eagle Pass—International bridge at Eagle Pass. Address City Clk.

BUILDING NEWS

BUILDINGS PROPOSED

Association and Fraternal

Ala., Albany—Albany Lodge No. 491, A. F. & A. M., will remodel Masonic Bldg.; cost \$30,000, first 2 floors for offices, lodge rooms on third.

Ala., Bessemer—Young Men's Christian Assn., Lee Moody, 2129 Clarendon St., soon let contracts to finish building; first to cover doors and windows, etc.

Ark., Hot Springs National Park—Hot Springs Lodge No. 380, B.P.O.E., considers purchasing Ozark Sanitarium and Bathhouse and converting for clubhouse and hotel; probably add roof garden.

Fla., Sarasota—Ancient Free and Accepted Masons have plans by Clas, Shepherd & Clas, 415 Milwaukee St., Milwaukee, Wis., and First Bank & Trust Co. Bldg., Sarasota, for \$100,000 temple, Orange Ave. and Sixth St.; stores on first floor, offices on second, lodge rooms above.

Fla., St. Augustine—St. Augustine Lodge of Elks, J. H. Mauney, Exalted Ruler, will erect \$100,000 lodge building, Cordova St., after plans by F. A. Hollingsworth, City Bldg.; Spanish type, 5 stories, elevator; stores on first floor, offices on second, lodge rooms on third and fourth and living quarters on fifth.*

Fla., St. Petersburg—Young Men's Christian Assn., care Dr. W. M. Davis, 342 First Ave., North, ready for bids in few weeks for \$500,000 building; work probably start July 1; 6 stories, 100x200 ft., hollow and interior tile, concrete floors, ventilators, rolling partitions, mail chutes, ornamental terra cotta, steel sash and trim, wire glass; swimming pool, lockers, cafeteria, etc.; Woolpert & Brown, Archts.

La., New Orleans—Grand Lodge of Louisiana, A. F. & A. M., ready for bids in about 2 weeks on electric wiring for \$2,000,000 eighteen-story temple; cost \$85,000; Sam Stone, Jr., Archt., 714 Union St.; James Stewart & Co., Gen. Contr., 408 Pine St., St. Louis, Mo., New York, etc.; John A. Davilla, Sec., 533-35 Iberville St.*

La., Shreveport—Young Men's Christian

Assn., C. R. Minor, Chmn., Bldg. Comm., will submit specifications to local dealers by June 15 for furniture and equipment for new building; cost \$50,000; Sherman W. Dean, Conslt. Archt., care Bldg. Bureau, International Comm., Y. M. C. A., 347 Madison Ave., New York.*

Md., Cumberland—Cumberland Lodge No. 63, B. P. O. E., probably soon start work on \$150,000 lodge building, S. Centre St.; lodge, ball, pool rooms, cafe, bowling alleys, etc.*

Miss., Columbus—Young Men's Christian Assn., E. L. Whittington, Sec., plans \$250,000 building; Sherman W. Dean, Conslt. Archt., care Bldg. Bureau, International Comm., Y. M. C. A., 347 Madison Ave., New York.*

Mo., Springfield—Salvation Army, Amel Shultz, Capt., plans \$25,000 building.

N. C., Charlotte—Scottish Rite Cathedral Assn. purchased site, N. Graham St.; reported to erect cathedral.

Tex., Beaumont—Carpenters' Union, Landry Bldg., John Shillings, member, plans Labor Temple; probably 2 stories with first floor for business purposes.

Tex., Fort Worth—Fort Worth Masonic Lodge No. 148, C. A. Turrentine, Worshipful Master, plans building, Second and Main Sts.

Tex., Port Arthur—Independent Order of Odd Fellows, R. W. T. Searle, Chmn., Bldg. Comm., have plans completed in about 60 days for \$50,000 lodge building, Procter St. and Atlanta Ave.; Spanish type, 3 stories, 50x140 ft.; stores on first floor, offices on second, lodge rooms above; Livesay & Wiedemann, Archts, Beaumont.

Tex., San Antonio—Alamo Heights Lodge, A. F. & A. M., Dr. Roy Goodwin, member, Bldg. Comm., will erect \$12,000 temple, Broadway, Cleveland Court and Barilla Place; 2 stories, hardwood floors and trim; lodge rooms on second floor.

Bank and Office

Fla., Jacksonville—Atlantic National Bank, Edw. W. Lane, Pres., will erect building,

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Main St. near Eighth St., for second unit of indirect branches, to be called Springfield Atlantic Bank; work starts within 30 days; Marsh & Saxelby, Archts., West Bldg.

Fla., Lake Wales—Shrigley & Norris will erect 1-story office building, Stuart Ave.; 50 ft. long, tile front, oak doors.

Fla., Orlando—Atlantic Coast Line R. R. will erect office building, Copeland Drive, opposite proposed passenger depot, Sligh Blvd., near Columbia St.

Fla., Tampa—Frank Bentley, Pres., Bentley-Gray Dry Goods Co., Zack & Pierce Sts., Hugh Bentley and R. G. Trezevant, care Bentley-Trezevant, Inc., purchased site, Florida Ave. opposite post office, and contemplate erecting 10 or 12-story office building.

Ky., Louisville—First National Bank, Kentucky Title Bank & Trust Co. and Kentucky Title Co. will erect \$750,000 building to replace present structure, Fifth St. and Court Place; 4 stories, about 56x140 ft.; also remodel in Georgian Colonial type and include 6-story Louisville Trust Bldg.

La., New Orleans—New Orleans Association of Commerce receives bids June 15 for alterations to 3-story brick, 46x150-ft. building, 311 Camp St.; Diboll & Owen, Archts., Interstate Bank Bldg.; following contractors estimating: J. V. and R. T. Burkes, Carondelet Bldg.; Denegre & Woodward, Inc., Louisiana Bldg.; Gervais F. Favret, 329 Balter Bldg.; Jos. Fromherz, Ind., Title-Guarantee Bldg.; O. M. Gwin Construction Co., 832 Common St.; Jefferson Construction Co., 823 Poydras St.; Richard McCarthy, Canal-Commercial Bldg.; J. A. Petty, Godechaux Bldg.; G. E. & E. E. Reimann, Weiss Bldg.; John Riess, Carondelet Bldg.; Geary-Oakes Co., Inc., Title-Guarantee Bldg.; Otis W. Sharp, 144 Carondelet St.*

La., New Orleans—Industrial Homestead Assn. will alter building, 625 Common St.; cost \$18,000, elevator, electric work, plumbing and heating; Weiss & Dreyfous, Archts., Maison Blanche Bldg.; bids opened.

N. C., Greensboro—Greensboro Bank & Trust Co. See Buildings Proposed—Hotels and Apartments.

Okla., Bartlesville—Phillips Petroleum Co., Frank Phillips, Pres., will erect \$500,000 office building, Fourth and Keeler Sts.; 65x140 ft., 7 stories.

Okla., Oklahoma City—Mid-Continent Life Insurance Co., Edwin Starkey, Vice-Pres., Robinson Ave. and First St., will erect \$350,000 office building, vicinity Thirteenth, Sharrel and Classen Sts.; marble and steel, 5 stories.

Tenn., Erwin—First State Bank will erect reinforced concrete and brick bank and office building, Main and Gay Sts.; cost about \$43,500, stone or marble facing, 2 stories, 25x75 ft., marble, hardwood and concrete floors, concrete foundation, built-up composition roof, interior tile, vaults, vault lights, steel sash and trim; C. B. Kearfoot, Archt.; R. V. Arnold, Asso. Archt., both Bristol, Va.-Tenn.*

Tex., Houston—Petroleum Building Co., T. P. Lee, Pres., Second National Bank Bldg., probably soon call for bids for 16- to 20-story fireproof office building, Texas Ave. and Austin St.; cost about \$1,250,000, reinforced concrete, steel, stone, brick; Alfred C. Bossom, Archt., 680 Fifth Ave., New York; Maurice J. Sullivan and Briscoe & Dixon, 1701 Second National Bank Bldg., Asso. Archts.*

Tex., Houston—Niels Esperson Estate, Second National Bank Bldg., will take bids within next 3 weeks for \$2,000,000 office building, Rusk Ave. and Travis St.; 30 stories, Italian Renaissance type, Texas granite base, Bedford limestone tower, polychrome glazed terra cotta frieze, 150x151 ft. roof garden; 2 sub-story and open court garage; repair, accessory and filling station; ladies' rest room and men's gymnasium on top floor; 3 domes; John Ebersson, Archt., 212 E. Superior St., Chicago, and Majestic Theater Bldg., Houston; contracts lately noted let for excavation, foundation and lower supporting walls, concrete piles and fabricated steel.*

Tex., Houston—Cravens Dargan & Co., 718 Main St., start work in about 30 days on \$50,000 office building, Brazos St. and McKinney Ave.; foundation to support additional stories.

Tex., Waco—Chamber of Commerce considers erecting building.

Churches

Ala., Bessemer—First Baptist Church, Hueytown, has started work on \$25,000 building; Dr. J. W. Partridge, Chmn. Presbytery.

Ala., Huntsville—First Baptist Church,

Rev. R. M. Jennings, pastor, 308 Madison St., has plans by R. H. Hunt Co., James Bldg., Chattanooga, Tenn., for \$100,000 brick and stone building, E. Holmes St.; 74x156 ft.*

Ala., Mobile—Dauphine Way Baptist Church receives bids June 12 for Sunday school addition; cost \$50,000, 2 stories, pressed brick and stone; C. L. Hutchisson, Archt., 400-04 State Office Bldg.*

Ala., Prichard—Baptist Church, J. W. Black, Chmn., Bldg. Comm., will erect building.

Fla., Boca Raton—First Methodist Church will erect building; Samuel Ogren, Archt., Box 507, Delray.

Fla., Coconut Grove—St. Stephens Episcopal Church, Rev. R. W. Soper, Rector, approved plans by Kiehnel & Elliott, Miami, for \$150,000 building, St. Gaudens Rd.; 3 units around court.*

Fla., Delray—First Methodist Church will erect \$60,000 hollow tile and stucco building; Samuel Ogren, Archt., Box 507.

Fla., Melbourne—Methodist Episcopal Church will erect building after plans by W. N. Christen; Edw. F. Janssen, Const. Archt., care Bureau of Architecture, Ma E. Church.

Fla., St. Augustine—Memorial Presbyterian Church will erect church house, Sevilla St., and remodel residence, Sevilla and Carrera Sts., for manse, both gift of Mrs. Louise Wise Lewis; cost \$100,000, auditorium seat about 500, stage, wrought iron work; Frederick A. Henderlich, Archt., Jefferson Bldg.

Fla., St. Petersburg—St. Peters P. E. Church, Fourth St. and Second Ave., North, will erect \$100,000 addition; seat 1100. Address The Pastor.

Fla., Sebring—Presbyterian Church, Dr. J. E. Scott, Chmn., Finance Comm., has tentative plans by Fred J. James, Citizens' Bank Bldg., Tampa, for \$20,000 building; Poinsettia, Pine and Franklin Sts.; Work probably start about July 15.

Ga., Atlanta—Jackson Hill Baptist Church, Dr. M. K. Jenkins, Treas., Bldg. Comm., has broken ground for \$100,000 church and Sunday school building, Boulevard and Rankin St.; seat 900; N. Sargent Hamilton, Archt., Flatiron Bldg.*

Ga., East Point—Presbyterian Church, Rev. J. R. Williams, Pastor, plans \$25,000 building; raising funds.

La., Alexandria—First Methodist Church, Rev. Cleanth Brooks, Pastor, will erect building.

Md., Frederick—Evangelical Lutheran Reformed Church, Arthur H. Doll, member, plans Sunday School building.

Miss., Centerville—L. B. Robinson is Sec. of church to erect brick building; bids opened June 8.

Mo., Cape Girardeau—Grace Methodist Church, Martin Bierschwal, Chmn. of Comm., receives bids June 15 for parsonage; plans seen at Sperling's Marble Works.

Mo., Caruthersville—Presbyterian Church approved tentative plans for \$45,000 to \$50,000 building; auditorium seat 500.

Mo., Kansas City—St. George P. E. Church will erect temporary church, Linwood Blvd. and the Paseo; later erect cathedral type structure. Address The Rector.

Mo., St. Louis—Evangelical Lutheran Bethel Congregation Church purchased site, Forsythe Blvd. and Pennsylvania Ave., for building. Address The Pastor.

N. C., Aulander—Baptist Church will erect \$40,000 building; drawing plans. Address The Pastor.

N. C., Charlotte—Tryon Street M. E. Church, South, Sixth and Tryon Sts., J. J. Akers, Chmn. Bldg. Comm., purchased site, Tryon and Eighth Sts., and plan \$500,000 group; Louis H. Asbury, Archt., 1514 E. Fourth St.; plans previously drawn for Sunday-school building for present site.*

N. C., Charlotte—First A. R. P. Church, R. H. Ramsay, Chmn. Board of Trustees, 711 N. Church St., sold present structure and will erect \$200,000 building, Ninth and N. Tryon Sts.*

N. C., Greensboro—Muir's Chapel Methodist Church, West Greensboro, care N. A. Boren, plans building.

N. C., Salisbury—Associate Reformed Presbyterian Church, Rev. J. C. Reid, Pastor, contemplates erecting building.

N. C., Washington—St. Peter's Episcopal Church, Edmund H. Harding, Chmn. Bldg. Comm., plans \$50,000 common brick Sunday-school building; 3 stories, no basement, 80x140 ft., wood floors, brick or concrete foundation, asphalt roof, rolling partitions; ar-

chitect not selected; E. P. Martin to enlarge present heating plant.*

Okla., Frederick—Presbyterian Church will erect building. Address The Pastor.

S. C., Greenville—First Presbyterian Church, Allen J. Graham, Chmn. Bldg. Comm., selected Herbert L. Cain, Grace Street Bank & Trust Co. Bldg., Richmond, Va., as architect for \$130,000 Sunday school building.*

S. C., Spartanburg—Second Presbyterian Church, Rev. J. D. Henderson, Pastor, plans building, College and Church Sts.

Tenn., Erwin—First Presbyterian Church will erect \$40,000 building; work start about July 1. Address The Pastor.

Tenn., Nashville—Grace Baptist Church will erect \$30,000 brick veneer addition, Chidress and Stainback Sts. Address The Pastor.

Tex., Austin—Nazarene Church, Rev. E. W. Wells, Pastor, plans stucco building; convert present structure for parsonage.

Tex., Breckenridge—First Christian Church opens bids June 11 for 2-story and sub-story, 96x101-ft., brick building; cost \$75,000; Clyde H. Woodruff, Archt., 400 Reynolds Bldg., Fort Worth.*

Tex., Dallas—East Grand Avenue Baptist Church, care H. E. Fowler, clearing ground for \$40,000 brick building, Graham and Philip Sts.; 3 stories, 93x95 ft., yellow pine and concrete floors, reinforced concrete foundation, metal ceilings, ornamental terra cotta, rolling partitions; furnishings, equipment, etc., \$5000; Ferrand & Fitch, Const. Archts., Seventh floor, Slaughter Bldg.*

Tex., Kerens—First Baptist Church, J. B. Reese, Chmn. Bldg. Comm., reported receiving bids for brick and stone building, Center and Second Sts.; 2 stories and basement, cost \$75,000; T. J. Galbraith, Archt., 517 Slaughter Bldg., Dallas.*

Tex., San Antonio—Temple Bethel, Morris Stern, Chmn., Bldg. Comm., 228 W. Agarita St., have plans ready for bids June 15 on \$250,000 hollow tile and stucco community center and synagogue, Ashby and Belknap Sts.; 2 stories and basement, balconies; Seutler & Simons, Archts., Builders Exchange Bldg.*

W. Va., Huntington—Twentieth Street Baptist Church, care O. L. Dunfee, 2106 Fifth Ave., will erect brick and stone building, Fifth Ave. and 20th St.; probable cost \$60,000; hollow and interior tile, hardwood and concrete floors; probably open bids about July.*

W. Va., Parkersburg—First Christian Church, 14th St. and St. Mary's Ave., selected Harry R. Nay as architect for \$100,000 building, Latrobe St. and Washington Blvd.*

City and County

Ala., Mobile—Mobile Board of Commissioners, S. H. Hendrix, City Clk., City Hall, rejected bids for 2 central and 2 sub-fire stations; \$175,000 available; Geo. B. Rogers, 1007 Van Antwerp Bldg., architect for former; A. H. Downey, 51 St. Joseph St., architect for latter.*

Fla., Arcadia—City voted \$350,000 bonds, including \$30,000 for city hall and fire station; additional \$17,000 available; J. B. McCrary Co., Engrs., Atlanta, Ga.*

Fla., Dania—City voted \$85,000 bonds, including \$25,000 for municipal building. Address City Council.*

Fla., Fort Lauderdale—Broward County Board of Commrs. approved plans by John M. Peterman for \$15,000 frame and stucco courthouse wing; Mr. Peterman also preparing plans for \$500,000 courthouse, section of present site; bonds voted.*

Fla., Panama City—Panama City Board of Trustee, E. H. Wilkerson, Chmn., receive bids June 25 for city hall; plans from Mr. Wilkerson or Edw. D. Fitchner, Archt., Tallahassee.

Fla., Tampa—Hillsborough County, W. T. Williams, Chmn. Board of Commissioners, Riverview, defeated bonds for \$1,500,000 courthouse.*

Ga., Columbus—City, Geo. Woodruff, Gen. Chmn., Memorial Stadium Comm., plans campaign for \$29,500 to complete north section of stadium under construction by Columbus Construction Co., Murrah Bldg., and \$10,500 for memorial entrance; Robert & Co., Archts.-Engrs., Bona Allen Bldg., Atlanta.*

Ga., Macon—Bibb County, Lee Happ, member, County Commission, will purchase former Camp Wheeler site, 302½ acres, for location of Roff Home, Juvenile Detention Home and other county institutions.

La., Shreveport—Caddo Parish, T. R. Hughes, Sheriff, contemplates erecting courthouse.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Md., Baltimore—Board of Awards, Fredk. A. Dolfeld, City Register, City Hall, receives bids in duplicate June 17 for police substation, Falls Rd. and Belvidere Ave.; drawings and specifications seen at office Supervising Engr., Public Improvement Comsn., 518 Hearst Tower Bldg.

Miss., Canton—Madison County Board of Supervisors receives bids June 17 to remodel and repair courthouse; separate bids for plumbing, heating and conduit system electric wiring; cost about \$40,000; plans and specifications from Claude H. Lindsley, Archt., Lamar Life Bldg., Jackson; following contractors estimating: W. G. Wetmore, Meridian; Jim Garber, Yazoo City; Beckelheimer & Small, Hattiesburg; G. F. Ezell, Canton; D. D. Thomas & Son, 436 N. Dunlap St., Memphis, Tenn.*

Miss., Tupelo—City, D. W. Robins, Mayor, contemplates erecting municipal auditorium to seat 4000.

Mo., Chillicothe—City, Will Scruby, Mayor, plans city hall.

N. C., Newton—Catawba County votes June 23 on \$75,000 jail bonds.*

Okla., Enid—Garfield County Commission will erect jail. Address County Commrs.

Okla., Haileyville—City will repair city hall damaged by mine cave-in. Address The Mayor.

Tenn., Somerville—Fayette County receives bids June 15 at office W. M. Mayo for courthouse; cost \$130,000; plans and specifications on file at office Geo. L. Mahan, Jr., Archt., American Bank Bldg., Memphis.*

Tex., Harlingen—City probably soon call election on \$220,000 bonds, including bonds for city hall. Address The Mayor.

Va., Suffolk—Nansemond County Board of Supervisors, has sketches by K. L. Hullsick, Co., Flatiron Bldg., Norfolk for \$20,000 jail; laundry, boiler rooms, etc., in basement.*

Dwellings

Ala., Birmingham—Montgomery Real Estate & Insurance Co., 201 N. 21st St., Jas. B. Drake, Vice-Pres., will erect 4 Spanish type dwellings, Arlington Place; plan additional dwellings; cost \$6000 and up.

Ala., Birmingham—Herbert Kyser will erect \$15,000 residence, Fairfax Ave. and 19th St.

Ark., Arkadelphia—J. F. Bevil and Jos. Gallaway will each erect residence, Tenth and Pine Sts.

Ark., Arkansas City—Geo. Reese will erect English type stone and stucco residence; 2 baths, half timbers; Geo. Mahan, Jr., Archt., Memphis, Tenn.

Ark., Fayetteville—Following have permits for dwellings: G. R. Broyles, West S.; Mrs. Annie W. McGrew, St. Charles and Lafayette Sts.; J. W. Cohea, Buchanan St.; Jim Holt, 816 N. College St.; R. Y. Landron, Putnam St.

Fla., Delray—A. B. Evans will erect \$20,000 tile veneer and stucco residence; Samuel Ogren, Archt., Box 507.

Fla., Delray—Dr. A. A. Plottner will erect \$22,000 tile veneer and stucco residence; Samuel Ogren, Archt., Box 507.

Fla., Fort Lauderdale—E. N. Sperry, Bridgeport, Conn., will erect \$75,000 winter residence; Francis L. Abreu, Archt.

Fla., Indrio—John I. Beggs, Milwaukee, Wis., reported to erect \$100,000 residence.

Fla., Mayport—Government, care U. S. Dist. Engr., Jacksonville, will erect frame dwelling; 2 stories, 7 rooms, yellow pine floors, concrete footings, hollow concrete block foundation, composition shingle roof; hot water heating system, electric wiring, plumbing; bids opened.

Fla., Miami—Wm. D. Harrington will erect \$12,000 residence and garage, 412 S. W. 18th Rd., Holleman Park.

Fla., Sarasota—Walter J. Miles, Worcester, Mass., will erect 10 dwellings, Whitfield Estates.

Fla., St. Petersburg—O. D. Robinson, 850 2nd Ave., N., will erect \$14,000 residence and garage, 27th Ave., North; 2 stories, hollow tile.

Fla., Tampa—C. C. Henderson, 68 Virginia Ave., Montgomery, Ala., W. T. McGowin, Pres., McGowin Investment Co., 504 Florida Ave., Tampa; H. G. Cannon, Cairo, Ga., and others are members of syndicate to erect 1800 dwellings for tourist camp.

Fla., Winter Haven—C. A. Fisher plans residence, Silvercraze.

Ga., Atlanta—M. G. & G. P. Morris, Forsyth Bldg., will erect \$10,000 residence, 1391 Ponce de Leon Ave.; 1 story, brick veneer.

Ga., Savannah—Baugh Building Co., Mrs. R. L. Baugh, Tomo Chi Chi Apt., and others, will erect number dwellings; plans and construction by owner; charter applied for.

Ga., Savannah—Chatham Land & Hotel Co., Chatham Crescent, Harvey Granger, Pres., plans about 150 dwellings in connection with development of 340 lots by J. R. Lovett, Pres., Citizens Loan & Investment Co., 114 E. Congress St.; sell for \$4500 to \$5500.

Ky., Covington—Deglow & Henthorn, Archts., and Geo. S. Werner, Asso. Archt., all Cincinnati, O., are drawing plans for number of dwellings, Park Hills.

Ky., Covington—Edw. Zeiss will erect French Gothic type residence, Park Drive, Park Hills; 41x44 ft., stone, tile roof, wrought iron grilles; Deglow & Henthorn, Archts., 9 W. Fourth St.; Geo. S. Werner, Asso. Archt., 9 W. Fourth St., both Cincinnati, O.

Ky., Lexington—R. M. Wheeler will erect \$12,000 residence, Desha Rd., Ashland Park; brick veneer, 2 stories; John V. Moore, Archt., 344 McClelland Bldg.

Ky., Louisville—Mrs. Blanche Murphy will erect \$13,000 residence, 1452 Lexington Rd.

Ky., Paducah—Evening Sun and Associates will erect model dwellings, Vine St.; Spanish type, stucco; Murphy bed in living room; D. Harry Jamieson, Archt., Campbell Bldg.; also erect additional dwelling.

La., New Orleans—A. Aronson, 326 Baronne St., will erect 2 duplexes, Bordeaux and Valence Sts.; total cost \$15,000.

La., New Orleans—I. Gallo, 2446 Washington St., will erect 3 double dwellings, 2051-11 Freret St.; total cost about \$10,000.

La., New Orleans—Mrs. F. K. Bodenheimer, 632 Broadway, will erect \$10,000 bungalow, Hampson and Adams Sts.

La., New Orleans—Jas. L. Crump will erect \$15,000 residence, Metairie Rd. near Oakland Drive; hollow tile and stucco, 2 stories; Frank E. White, Archt., 205 Strand Bldg., receiving bids.

La., New Orleans—Mrs. Wagner will erect \$20,000 fourplex, Peters Ave. and Howard St.; 2 stories and basement, frame and stucco; Nathan Kohlman, Archt., Godchaux Bldg., receiving sub-bids.

La., New Orleans—J. W. Fleetwood, 1612 N. Broad St., will erect 2-story duplex dwelling, Canal and Solomon Sts.; 2 stories, cost about \$10,000.

La., New Orleans—N. Ascani, 3709 Duval St., will erect raised cottage, Gentilly Blvd. and Iris St.; cost about \$10,000.

La., New Orleans—Capt. C. N. Bean, 2928 Oak St., will erect \$12,850 single residence, Burthe St.; Jones, Roessle & Olschner, Archts., Maison-Blanche Bldg.

La., New Orleans—V. Barousse, 5730 Dauphine St., will erect 2 double cottages, Dauphine and Royal Sts.

La., New Orleans—Jos. Delermo, 5260 Constance St., will erect single residence, 3208 Louisiana Avenue Pkwy.; cost about \$10,000.

La., New Orleans—Jos. Middleton, 2115 State St., will erect \$12,000 residence, Audubon and Felicia Sts.; Moise H. Goldstein, Archt.

La., New Orleans—F. D. Reilly, Canal-Commercial Bldg., will erect 2 frame and stucco duplexes, Nashville Ave. and Clara St.; bids opened.

La., New Orleans—C. C. Sandez, Maison Blanche Annex, will erect 2 dwellings, O'Reilly and Dorgenols Sts.

La., New Orleans—Jones, Roessle & Olschner, Maison Blanche Bldg., drew plans for \$35,000 frame and stucco residence and garage, Fontainebleau Drive and Pine St.; structural steel, cast stone, wrought iron, tile, reinforcing steel, white oak floors, tile floor, sanitary flooring, metal lath, water heaters, oil burning system; receiving sub-bids.

La., Shreveport—J. P. Creswell, 725 Milam St., plans 2 dwellings, DeSoto St., Ingleside subdivision.

La., Shreveport—G. O. Flaitz, 3604 Fairfield Ave., will erect \$19,500 residence.

Md., Baltimore—Joseph France, 15 W. Mt. Vernon Place, will erect residence, 4½-acre tract, W. side Charles Street Ave., N. of Bellona Ave.

Md., Baltimore—Wm. H. Grimes, Pres. Commercial Credit Co., plans residence, S. E. cor. Wyndhurst Ave. and Blythewood Rd.

Md., Baltimore—Thos. R. Cassel, Jr., will erect \$24,000 residence, S. side Warrington Rd. near Charles Street Ave.; 2 stories, tile and stucco.

Md., Baltimore—New Park Development

Co. will erect 4 dwellings, Park and Newington Aves.

Md., Baltimore—Frank Novak Realty Co., Gunther Bldg., will erect 33 two-story brick dwellings, 3400-64 Cardenas Ave.; 18x33 ft.; total cost \$125,000.

Md., Baltimore—Wm. Quill, 511 N. Lake-wood Ave., will erect 6 cottages, N. and S. sides east of Belair Rd.; clapboard, 1½ stories; total cost about \$30,000.

Md., Baltimore—Frank Morgan will erect clapboard cottage, N. E. side Magnolia Ave., N. W. of Rogers Ave.; 2 stories, 26x30 ft., cost about \$10,000.

Md., Baltimore—Col. Geo. H. Emerson, 3904 Canterbury Rd., will erect residence, Lambeth St. near Greenway.

Md., Baltimore—Harry T. Murray, 4620 Reisterstown Rd., will erect \$15,000 brick residence, E. side Park Heights Ave. near Pinkney Rd.

Md., Baltimore—Frank E. Kettell will erect \$12,000 cottage, N. side Ferndale Ave., E. of Bowers Ave.; frame, 2½ stories.

Md., Braddock Heights—Frank M. Urban and Frank G. Urban will erect residence, Jefferson Blvd.

Md., Catonsville (Branch Baltimore)—Frank Carozza, Vincent Flacomio and Frank C. Marino purchased property, Beechfield Ave. and plan 12 to 15 dwellings; cost \$12,000 to \$18,000 each.

Md., Catonsville (Branch Baltimore)—N. C. Van Horn will erect California type bungalow, Midvale Ave.

Md., Welham Station (R. D. from Brooklyn, Branch Baltimore)—Philip S. Morgan & Co., Inc., 514 St. Paul Place, purchased 20 lots and will erect number dwellings total cost about \$100,000.

Miss., Brookhaven—Sam Abrams will erect 4 brick dwellings S. Jackson and S. Church St.

Mo., Cape Girardeau—David Stehr plans residence, 500 block S. Sprigg St.

Mo., Clayton (Ind. Branch St. Louis)—Wagner Grant Bell Realty Co., 722 Chestnut St., St. Louis, will erect six brick dwellings, DeMunn Park; 85x33 ft.; total cost \$40,000.

Mo., Joplin—Lee Rothschild will erect \$10,000 residence, 307 N. Sergeant Ave.

Mo., Kansas City—Frank L. Wrenn, 618 Rialto Bldg., will erect 6 or 7 dwellings, 22nd St. and Forest St.

Mo., Kansas City—Mokaw Realty Co. will erect 2 frame dwellings, 4800-04 Jarboe St.; total cost \$22,000.

Mo., St. Louis—Coh-Pyr Realty & Investment Co., 407-09 Wainwright Bldg., F. Wm. Wibbing, Pres., Franklin Bank, Broadway and Washington Ave., contemplate erecting about 300 dwellings in connection with developing 196 acres, Page Ave. and Woodson Rd.; sell for \$3000 to \$5000 each; Pitzman & Co., Constr. Engrs., 615 Chestnut St.

N. C., Charlotte—J. H. Cutter, Commercial Bank Bldg., will erect residence, Myers Park.

N. C., Greensboro—J. E. Latham Co., Dixie Bldg., will erect three \$3000 and six \$1000 dwellings, Gregory St., near Hertford St., Hertford near Gregory, and Cornwall St.

N. C., Greensboro—J. F. Thompson, 517 W. Market St., will erect \$27,000 residence, Parkway Drive; 12 rooms, 2 stories, slate roof.

N. C., High Point—C. E. Diffendall will erect \$10,000 residence, Edgedale.

N. C., High Point—Philip Silver will erect \$29,000 residence, Carrick St. and Parkway; 8 rooms.

Okla., Tulsa—Robt. E. Adams, 2124 S. Norfolk St., will erect 10 frame dwellings and garages, 1100 blocks N. Cincinnati St. and N. Boston Place; total cost about \$35,000.

S. C., Columbia—Dr. J. Heywood Gibbs, 1630 Green St., will remodel residence; also alter and recover office, 1431 Marion St.; Robt. D. McClure, Contr.

Tenn., Columbia—E. D. Looney reported to rebuild residence noted burned.

Tenn., Knoxville—H. E. Christenberry, 501 W. Church St., will remodel frame residence, Highland Drive; cost \$15,000.

Tenn., Knoxville—H. Fred Parker will erect \$10,000 brick veneer residence, Woodvale.

Tenn., Nashville—Wirt Casner will erect \$10,000 residence, 2114 Jones Ave.; 2 stories, 12 rooms, brick.

Tenn., Tiptonville—T. M. Markham will erect English type residence; stucco, wood shingle roof; Geo. Mahan, Jr., Archt., Memphis.

Tex., Amarillo—Joe Sneed will erect \$40,000 residence; brick, 2 stories, 12 rooms; Shep-

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ard & Wiser, Archts., 1402 R. A. Long Bldg., Kansas City, Mo.

Tex., Amarillo—J. M. Durrett, 1902 Tyler St., will erect \$25,000 brick and stone residence, rough faced brick and stone, 2 stories, 55x38 ft.; Smith & Towne, Archts., 310 Blackburn Bldg.

Tex., Dallas—Dallas Home Co. will erect 8 cottages; 5 rooms; total cost \$20,000.

Tex., Dallas—H. C. Williams will erect \$10,000 stone and veneer dwelling, 6347 Price St.; 8 rooms.

Tex., Houston—Irvin S. Cobb, 830 Park Ave., New York, reported to erect residence, Country Club Estates.

Tex., Houston—Country Club Estates, Hugh Potter, Mgr., will erect two \$10,000 dwellings; brick veneer, 2 stories, 6 and 7 rooms, shingle roofs; J. W. Northrup, Archt., 302 West Bldg.

Tex., Houston—Oscar O. McIntyre, Ritz Carlton Hotel, New York, reported to erect residence, Country Club Estates.

Tex., Lubbock—John Denman, Cash. First National Bank, will erect residence, Ellwood Place Addition.

Tex., Lubbock—Peters & Haynes, Archts., will erect dwelling.

Tex., Marshall—L. H. Timmins will erect 2-story frame residence; cost about \$10,000; J. Clyde Williams, Archt., Moore Bldg.

Tenn., Memphis—E. B. Scott, 1176 Forrest Ave., will erect \$10,000 Stonekote residence, 697 Charles Place.

Tex., San Antonio—Chas. B. Wolf and Ralph H. Gardner, 314 W. Marshall St., plan about 6 two-room frame dwellings, San Fernando and Rosillo Sts.

Tex., San Antonio—S. R. Forehand, 324 Aransas Ave., will erect residence, Kayton Ave., near Pine St.; 4 rooms and sleeping porch.

Tex., San Antonio—T. H. Martin, 409 Carolina St., plans 14 frame dwellings, Baylor and S. Flores Sts.; 3 and 4 rooms.

Tex., San Antonio—Paula O. Moglia, 701 N. Laredo St., plans several frame dwellings, 1300 block Lakeview Ave.; 3 or 4 rooms

Government and State

Ark., Camden—Treasury Dept., Jas. A. Wetmore, Act. Supervising Archt., Washington, D. C., receives bids July 8 for remodeling and enlarging post office; drawings and specifications from Custodian at site or from office Supervising Archt.

Miss., Holly Springs—Following contractors estimating on 2-story and basement post office for Treasury Dept., Jas. A. Wetmore, Act. Supervising Archt., Washington, D. C., bid opened June 22: R. P. Farnsworth & Co., Canal-Commercial Bldg., New Orleans, La.; Geo. Griffiths Construction Co., 705 Olive St.; H. M. Ludenberg, F. R. B. B., both St. Louis; W. P. Thurston Co., Windsor Crt. Apts., Richmond, Va.; Dunlan & Co., Inc., Columbus, Ind.; Yeager & Sons, Danville, Ill.; Algernon Blair, 11 S. Lawrence St., Montgomery, Ala.; W. D. Lovell, 1415 Eighth St., S. E., Minneapolis, Minn.; Virginia Engineering Co., Inc., Newport News, Va.; plans and specifications from Custodian at site or from office Supervising Archt.*

S. C., Columbia—Treasury Dept., Jas. A. Wetmore, Act. Supervising Archt., Washington, D. C., receives bids June 24 for new mezzanine floor for files (first story), including incidental changes in mechanical equipment of post office; drawings and specifications from Custodian at site or from office Supervising Archt.

Hospitals, Sanitariums, Etc.

Ala., Huntsville—Dr. C. A. Grote is chmn. of Bldg. Comm. to receive bids June 13 for hospital, Madison Pike, near Huntsville; cost \$150,000; Frank Lockwood, Archt., 119 Adams St., Montgomery.*

Ark., Hot Springs National Park—Constructing Quartermaster, Army and Navy General Hospital, receives bids June 11 for addition to mess hall and library building and for new cold storage and laboratory; bids June 18 for sleeping porch for nurses' home; 26x36 ft., screened and glazed.*

D. C., Washington—Department of Interior, John H. Edwards, Asst. Sec., receives bids June 23 for addition to Home for Nurses, Freedmen's Hospital; drawings and specifications from Dept.

La., New Orleans—Treasury Dept., Jas. A. Wetmore, Act. Supervising Archt., Washington, D. C.; bids June 17 on attendants' quarters and isolation building; same date for heating plant; bids June 18 for incinerator; plans and specifications from Medical

Officer in Charge at Station or office Superv. Archt.; following contractors estimating: Quarters, etc., R. P. Farnsworth & Co., Canal-Commercial Bldg., New Orleans; A. C. Samford, P. O. Box 812; Algernon Blair, both Montgomery, Ala.; Circle Construction Co., Inc., 59 Pearl St., New York; Theriault Construction Co., 529 E. Johnson St.; W. K. Mitchell & Co., Inc., 29th and Ellsworth Sts., both Philadelphia, Pa.; Geo. Griffiths Construction Co., 705 Olive St., St. Louis; Virginia Engineering Co., Inc., Newport News, Va.; heating plant, Gore & Daubert, 835 Baronne St.; E. W. Carr, Inc., 415 Gravier St.; H. W. Bond & Bros., 1019 Constantinople St.; W. J. Houlihan, 7731 Panola St., all New Orleans; Fort Dodge Boiler Works, 315 Second Ave., S. Fort Dodge, Iowa; J. L. Powers, 227 Main St., Bennettsville, S. C.; Bryce Plumbing & Heating Co., Florence, S. C.; J. W. Hull Plumbing & Heating Co., Memphis, Tenn.; William Wilby, Salina, Ala.; Incinerator, Goder Incinerator Corp., 223 N. Michigan Blvd., Chicago, Ill.; Chas. F. Walters, 68 W. 89th St.; Ansonic Corp., 71 Eighth Ave., both New York; Jarvis Engineering Co., Boston, Mass.*

La., New Orleans—Southern Baptist Hospital Comsn., Dr. F. S. Groner, Chmn. Bldg. Comm., ready for new bids on revised plans for 2-story brick nurses' home, Cadiz St., near Magnolia St.; cost \$75,000, 40x150 ft. composition roof, steam heating; Fayrot & Livaudais, Ltd., Archts., Hibernia Bldg.*

Md., Baltimore—Board of Awards, Mayor Howard W. Jackson, Pres., will alter and erect additions to dining room in main building at Bay View; also alter and install elevator shaft in rear of main building; bids opened June 10.

Miss., Natchez—Chamberlain-Rice Hospital, 323 Main St., Jas. C. Rice, M. D., Mgr., selected Claude H. Lindley, Lamar Life Bldg., Jackson, as architect for 75-bed hospital, end of Pearl St., North; asbestos shingle roof, other details not determined; equipment for deep X-ray therapy, laboratories, small laundry, vacuum cleaning system, general hospital furniture.*

N. C., Oteen (Mail Etowah)—United States Veterans' Bureau, Room 791 Arlington Bldg., Frank T. Hines, Director, receives bids July 7 for kitchen building at U. S. Veterans' Hospital No. 60; work includes reinforced concrete, hollow tile, brick, marble and iron work, steel sash, tin and built-up roofing, metal lathing, plastering, carpentry, insect screens, hardware, painting, glazing, plumbing, heating and electric work, electric freight elevator, refrigerating plant and concrete road work; drawings and specifications from Constr. Div., (Room 791, Arlington Bldg.)*

Okla., Pauls Valley—Chamber of Commerce, Walter Nance, Pres., plans hospital.

Tenn., Memphis—Methodist Hospital Board of Directors probably call for bids during summer for Lucy Brinkley Wing; 76 rooms.

Tenn., Nashville—Lewis S. Pope, Commr., State Institutions, receives bids June 12 for tuberculosis hospital at Central State Hospital; plans and specifications from Marr & Holman, Archts., Stahlman Bldg.

Va., Richmond—Imperial Shrine Council, Ancient Arabic Order Nobles of Mystic Shrine, Forrest Adair, Sec., Hospital Board, Atlanta, Ga., selected Richmond as site for hospital for crippled children; first structure probably \$150,000, ultimate cost \$1,000,000; Hentz, Reid & Adler, Candler Bldg., Atlanta, architects for Hospital Board.

Hotels and Apartments

Ark., Harrison — J. W. Bass purchased Weatherly lot, N. Vine St., reported to erect hotel.

Fla., Bradenton—G. C. Underhill contemplates erecting \$125,000 apartment house, Adams and Camp Sts.

Fla., Bradenton—Manatee River Hotel Co. plans to erect \$750,000, 7-story apartment-hotel unit, Broad, Turner and Park Sts.

Fla., Coral Gables—W. H. Avery reported announced plans for \$500,000 apartment hotel.

Fla., Fort Lauderdale—C. E. Kelso has plans by J. M. Peterman for reinforced concrete and stucco, 3-story, 64-room hotel, Las Olas Blvd. near East Ave.

Fla., Jacksonville—H. C. Martin, 239 W. Church St., purchased Powell home, Rosselle and May St.; remodel into four 3-room apartments.

Fla., Miami—Emil H. Albjerg, 150 N. E. 45th St., erect \$16,000 8-family apartment house, S. E. 13th St.

Fla., Miami—W. H. Smith Building Co. erect \$30,000, 12-family apartment house, S. W. Fifth St.

Fla., New Smyrna—Empire Finance & Construction Co., Edward Zimmerman, treas., Miami, plans to erect \$300,000, 7-story commercial-tourist hotel, to be financed partly by citizens; Murray S. King, Archt., 24 S. Washington St., Orlando.

Fla., Orlando—Orange Investment Co., L. M. Autrey, Pres., 108 Hillcrest St., and Nixon Butt, Sec.-Treas., erect \$500,000 hotel.

Fla., Orlando—S. J. Sligh, Robinson St., reported interested in erection of \$500,000 hotel on Bidwell Ave. between Copeland Drive and Underwood St. and \$1,000,000 hotel fronting Columbia St. and Lake of the Woods.

Fla., Pensacola—A. C. Allen, Vice-Pres. and Gen. Mgr. West Florida Development & Investment Co., reported to plan erecting apartment hotel, La Rua St., cost from \$300,000 to \$500,000.

Fla., St. Petersburg—Mrs. Ella R. Corson, 700 Beach Drive N., reported contemplates erecting 12-apartment building, 17th Ave. South, between First and Second Sts.

Fla., Sarasota—Howard Investment Co. finance erection of 3-story building, Central Ave. and Eighth St.; stores on first floor, apartments above.

Fla., Sarasota—B. F. McCall erect 2-story, 4-apartment building, Eighth St. near Broadway.

Fla., Sebring—Edward Wolfe soon let contract for hotel fronting Orange Blossom Park.

Fla., St. Petersburg—Michael D. Kaydoub, 18705 Fort Hamilton Ave., New York, purchased lot on Beach Drive; reported contemplates erecting 6-story hotel in future.

Fla., West Palm Beach — Harry Sirkin soon let contract for \$60,000, 3-story building, Clematis Ave., after plans by Harvey & Clarke, Archts.; 2 stores on ground floor, 32 rooms above.

Fla., West Palm Beach—Mrs. Ida Sapp soon let contract for \$75,000, 3-story hotel, Evernia St.; 40 rooms and bath; William Manly King and Kenneth M. Campbell, Archts.; will be furnished by Commercial Bonding Co.

Fla., West Palm Beach—Syndicate headed by W. E. Harding and B. McNeil soon have plans for \$500,000, 3-story, hollow tile, Spanish-Colonial type Harding Hotel, 300 ft. on Sapodilla, 100 ft. on Clematis Ave. and 500 ft. on Banyan Ave.; 4 stores and 10 offices on ground floor, 200 guest rooms; Wm. Manly King, Archt.; Kenneth M. Campbell, Asso. Archt.

Ga., Macon—Hotel Executive Committee, P. L. Hay, Gen. Chmn., 184 North Ave., plans to form Highlands Hotel Co. for erection of \$1,000,000, 200-room Resort and Tourist Hotel, to be financed by subscriptions; Hockenbury System, Inc., Harrisburg, Pa., will handle financing; Griner Hotels, Inc., Jacksonville, Fla., will operate.*

Ga., Savannah—Pound Hotel Co. erect \$10,000, 2-story addition to DeSoto Hotel.

Miss., Biloxi—White House Hotel, care W. A. White, reported to erect 50-room addition.

Mo., Kansas City—Fischer Building Co. erect roof garden on Schuyler Apartment Hotel, 1017 Locust St.

Mo., Kansas City — Security Realty Co., erect \$14,000, 2-story hotel, 311-15 W. 38th Street.

Mo., St. Louis—Edward A. Wagner, 6211 McPherson St., purchased lot, Rosebury Ave., De Mun Park; erect 6-family apartment building.

Mo., St. Louis—H. A. Gravelman erect \$10,000, 2-story, 34x55 ft. tenement, 2714-16 Arlington St.; composition roof, furance heat.

N. C., Greensboro—Greensboro Bank & Trust Co. call for bids July 1, to be opened August 1, on \$1,000,000, 17-story bank and hotel building, Washington and Elm Sts.; furniture and extras to cost \$500,000; brick trimmed with granite and terra cotta; hotel to consist of lobby, assembly hall and 351 rooms, 3 passenger and 1 high-speed freight elevator; Wade Lowery, J. F. and W. F. Somers, lessees; C. C. Hartman, Archt., Jefferson Bldg.*

N. C., High Point—Dr. W. J. McAnally erect \$12,000, 16-room apartment house, Wrenn St.

Okla., Tulsa—Blair Brothers, Palace Bldg., erect \$45,000, brick and tile apartment house, 911 W. Seventh St.

Okla., Tulsa—L. C. Ritts, 1117 S. Cheyenne St., erect \$27,000 apartment house, 11 E. 22nd St.; \$3000 garage.

Tex., Dallas—Blessing & Fuller erect \$11,000, 10-room, brick veneer, 4-apartment building, 4112-14 Lemmon St.

Tex., Dallas—Mrs. L. Lidan erect \$17,000, 24-room, brick veneer, 8-apartment building, 847 N. Clinton St.

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Tex., Dallas—C. F. Nelson, 504 Rockwood St., erect three \$20,000, 20-room, brick veneer, 4-apartment buildings, 103-5-7-9-11-13 N. Tyler St.

Tex., Dallas—M. E. Seay erect \$16,000, 10-room, brick veneer, 2-apartment building, 4230 Hall St.

Tex., Dallas—Fred Stone erect \$15,000, 16-room, brick veneer, 4-apartment building, 912-4 N. Windomere St.

Tex., Huntsville—Dr. J. R. Martin, Chmn. of Committee, soon take bids for \$50,000, brick, 100x200 ft. hotel, Spring and Burton Sts.; lobby and dining room each 40x60 ft.; C. A. Rainwater, Archt., Houston; Mrs. T. V. Peters will manage.

Tex., Lubbock—Lubbock Hotel Co. opened bids for \$325,000, 6-story, stone and reinforced concrete, fireproof building, Broadway and Avenue K; J. E. Johnson Construction Co., 203 Cameron Bldg., Waco, low bidder; Sanguinet, Staats & Hedrick, Archts., First Natl. Bank Bldg., Fort Worth.*

Tex., San Antonio—Henry T. Matthews, 402 E. Evergreen St., soon receive bids for brick, tile and concrete, 57x140 ft., 14-apartment addition to building, Lexington and Oakland Sts.; Morris & Noonan, Archts., Builders Exchange Bldg.

Tex., Wichita Falls—Robert M. Waggoner and others soon select architect for \$650,000, 10-story and basement, 300 to 400-room, brick and reinforced concrete hotel building, Eighth and Indiana Sts.

Miscellaneous

D. C., Washington—John S. Blick, 3rd and K Sts., N. W., Frank S. Ghiselli and Frederick A. Spicer, heading syndicate, purchased Convention Hall, Fifth and L Sts., N. W., will remodel for bowling alleys, etc.; \$150,000.

Fla., Daytona—Clubhouse—Daytona Highlands Co., 233 S. Beach St., soon start work on clubhouse

Fla., Orlando—Clubhouse—Protestant X-V Club has plans for \$20,000, 2-story stucco building, W. Amelia and Trenton Sts.; stores on first floor, clubrooms above; address Frank M. Levi, 429 Ruth St.; work on percentage plan.

Fla., Perry—Clubhouse—Boneta Beach Club, care Ellis Bartholomew, Palm Grove, Perry, erect \$100,000, concrete and cement block with steel girders, 2-story clubhouse, Boneta Beach; major items to be purchased include steel girders, electric light system and refrigeration system; concrete foundation; plans by Mr. Bartholomew.*

Fla., St. Petersburg—St. Petersburg Women's Club plans addition to Art Club building.

Fla., Sarasota—Jack Hayes leased S. W. cor. Central Ave. and Tenth St., erect building to cost not less than \$40,000.

Ga., Macon—Syndicate composed of Henry K. Burns, Gates J. Waxelbaum, 815 Orange St., Walter A. Harris and Joseph W. Popper, Georgia Casualty Bldg., purchased property Broadway and Poplar St., will improve.

Md., Baltimore—Ethan Allen Lyett, 317 N. Charles St., reported plans extensive improvements to recently acquired Buckler Building, S. E. cor. Charles and Centre Sts.

Md., Baltimore—Peabody Conservatory, 1 E. Mt. Vernon Place, soon start work of transforming 3 residences on Mount Vernon Place into music center.

N. C., Elizabeth City—Clubhouse—Elizabeth City Country Club erect 2-story, Dutch Colonial Type clubhouse to cost \$12,000 to \$18,000; sun parlor, ballroom, porches, bath, lockers and kitchen.

Railway Stations, Sheds, Etc.

Fla., Coral Gables—Florida East Coast Rwy. Co., H. N. Rodenbaugh, Ch. Engr., St. Augustine, reported considering erection of \$150,000 station at main entrance to University of Miami campus; plans concourse in connection.

Schools

Ala., Anniston—City voted \$100,000 school bonds. Address W. A. White, Supt. School Board.*

Ala., Gadsden—Ball Play, Ford, Smyrna, Morris and Hokes Bluff school districts combined to build High School at Wisdom Cross Roads; address Etowah County Board of Education.

Ala., Jacksonville—City voted \$15,000 bonds toward erection of \$25,000 High School building; address Board of Education.

Ala., Montgomery—Board of Education ex-

pend \$50,000 this summer for improvements; Frederick Ausfeld, Archt., preparing plans for 10-classroom, 3-story and basement, brick addition to Booker Washington School for Negroes.

Ala., Montgomery—J. M. Starke, 95 Houston St., of Starke School for Boys, announced plans for 2-story building, Houston St.

Ala., Selma—City Council approved purchase of baseball park property on N. Broad St., for school site.

Ala., Tuscaloosa—City Commission call election June 15 on \$100,000 bonds for improvements in high school and Jamison school; address Board of Education.*

Ark., Valley Springs—Valley Springs Training School start soon work on stone girls' dormitory.

Fla., Auburndale—See Fla., Bartow.

Fla., Bartow—Polk County Board of Public Instruction, J. A. Garrard, Chmn., receive bids June 16 for erecting school buildings at Lake Alfred and Auburndale; plans and specifications may be secured from E. C. Hodford, Archt., Lakeland.

Fla., Coconut Grove—Board of Trustees Coconut Grove School District approved plans by H. George Fink, Archt., Coral Gables, for Home Economics Building, Administration Building and Gymnasium, first three units of High School group; Administration cost \$140,000, others \$40,000 each; complete group to cost \$1,000,000; include 2 classroom buildings, library, vocational building, gymnasium, science hall, administration, auditorium and stadium.*

Fla., Lake Alfred—See Fla., Bartow.

Fla., Lake Worth—Palm Beach County Board of Public Instruction, West Palm Beach, considering calling \$175,000 school bond election in School District No. 4, including Lake Worth.

Fla., Miami—University of Miami incorporated by William J. Bryan, Ruth Bryan, Jame M. Cox, Frank B. Shutta, George E. Merrick and others; plan endowment of \$15,000,000 for establishment of University and erection of 22 buildings; will occupy tract of 160 acres dedicated by Mr. Merrick; structures will include buildings for administration, literary work, science, chemistry, history, engineering, medical science, law, economics, mental science, music, art, assembly hall, men's and women's gymnasiums with pools, chapels, library, athletic field and stadium, president's residence, service buildings, language buildings.

Fla., West Palm Beach—Northwood Co., George Fryhofer, Gen. Sales Mgr., announced erection of private school building, N. E. cor. 37th Ave. and Spruce St., to be known as B. F. Gault School of Northwood.

Ga., Fitzgerald—Mayor and City Council soon call \$100,000 bond election for new school in first ward and high school auditorium.

Ky., Eddyville—Eddyville Graded School District votes soon on \$10,000 bonds for altering, remodeling and enlarging school building; address School Board.

Ky., Louisville—Sisters of Loretto, 724 N. 25th St., purchased Doerhoefer Estate, Broadway near Shawnee Park; will remodel present buildings during summer and later plan to establish \$1,000,000 boarding school and college.

Ky., Louisville—San Marcos College, Dr. J. V. Brown, Pres., erect administration building and home for Children's School.

La., Collinston—J. W. Smith, Archt., New Orleans, selected to prepare plans for \$25,000 auditorium and gymnasium wing to High School.

La., Lafayette—Southwestern Louisiana Institute, Dr. E. L. Stephens, Pres., contemplates erecting stadium.

La., Winnsboro—Franklin Parish School Board, John L. McDuff, Supt., receive bids June 18 for rebuilding High School building; plans and specifications may be obtained from John W. Baker, Archt., Crowley.

Md., Baltimore—Board of Awards, Mayor Howard W. Jackson, Pres., opened bids for erecting Arlington, Hamilton and Windsor Hills schools; Mason, Curley Brady, Inc., 308 W. Madison St., low bidder on all 3 buildings, totaling \$1,068,740.*

Md., Gardenville (Sta. Baltimore)—St. Anthony's Catholic Church, Franklin Ave., has plans by Lucius R. White, Jr., Hearst Tower Bldg.; asked bids from following contractors for \$125,000, 2-story and basement parochial school: Morrow Brothers, Fidelity Bldg.; Price Construction Co., Maryland Trust Bldg.; Consolidated Engineering Co., 20 E. Franklin St.; Frairie Bros. & Haigley,

19 W. Franklin St., and R. F. Bennett Building Co., 123 S. Howard St., all Baltimore.

Md., Roland Park (Sta. Baltimore)—Roland Park Country School has plans for \$15,000, 1-story, 37x61 ft. building, 40th St. near Roland Ave.

Miss., Aberdeen—Monroe County Board of Education, J. Daniel Williams, Supt., open bids June 20 for school buildings ref. Board of Trustees of Hatley Consolidated School District and Sipsey Fork Consolidated School District.

Miss., Jackson—Hillman College, M. P. L. Berry, Pres., raising funds for new dormitory.

Miss., Jackson—Tougaloo College, Bishop Theodore D. Bratton, Pres. Board of Trustees, receive \$25,000 from General Education Board, New York, toward new building, if \$25,000 is raised locally.

Mo., Joplin—City votes June 24 on \$750,000 school bonds for building program; address Board of Education.

Mo., Kansas City—School District of Kansas City votes June 23 on \$5,000,000 bonds for purchasing school sites, erecting new buildings and additions, remodeling and reconstructing present buildings; D. M. Pinkerton, Pres. Board of Directors.

Mo., Oak Grove—Town voted \$15,000 bonds for addition to school building; address School Board.

N. C., Greensboro—North Carolina College for Women, Dr. J. I. Foust, Pres., selected Harry Barton prepare plans for \$350,000 auditorium to seat 2500 persons and \$250,000 educational building; \$100,000 for equipment and architect's fees.*

N. C., Kittrell—Kittrell College received \$100,000 gift from Benjamin N. Duke, Durham, \$50,000 for furthering building program.

N. C., Louisville—Franklin County Board of Education, A. F. Johnson, Chmn., open bids July 1 for 2 schools as follows: Cedar Rock-Cypress Creek High, 10 classrooms, auditorium, library, etc.; Bunn High, 12 classrooms, auditorium, library, etc.; M. S. Davis, Archt.

N. C., Louisville—Louisburg College, Arthur W. Mohn, Pres., received \$50,000 gift from Richard H. Wright, Durham, for erection of dormitory.*

N. C., Rich Square—Wilson, Berryman & Kennedy, Archts., Wilson and Gastonia, N. C., and Columbia, S. C., soon complete plans for 10-room teacherage.

Okla., Norman—Sorey & Vanberg, Archts., 212½ N First St., Oklahoma City, preparing plans for Chapter House for Acacia Fraternity, University of Oklahoma; \$40,000.

Okla., Oklahoma City—School Board announced \$211,566 needed to convert Capitol Hill and Classen Junior High Schools into Senior High Schools and to furnish Warren Harding and Theodore Roosevelt Junior High schools.

Okla., Tulsa—Board of Education, Frank E. Duncan, Pres., receives bids June 15 for Woodrow Wilson Junior High School; plans and specifications may be obtained at office Leland I. Shumway, Archt., 725-6 Wright Bldg.*

Tenn., Chattanooga—Fred B. Frazier, Commissioner of Education, receiving bids for Twelfth Ward Junior High and First District school buildings; R. H. Hunt Co., James Bldg., Archts. for Twelfth Ward and Clarence T. Jones, James Bldg., Archt. for First District.

Tenn., Bartlett—See Tenn., Memphis.

Tenn., Groveland—Maury County Board of Education, Columbia, erect new school building.

Tenn., Jackson—Madison County Board of Education considering sites for consolidated high school building in Sixteenth District.

Tenn., Jefferson City—Carson Newman College received offer of half the cost of new dormitory and lot from Col. A. R. Swan, Dandridge.

Tenn., Memphis—E. L. Harrison, Archt., Fidelity Bank Bldg., received bids for 6 classroom and gymnasium, \$50,000 addition to Bartlett school and \$45,000 manual training addition at Millington, for Shelby County Board of Education.

Tenn., Millington—See Tenn., Memphis.

Tex., Big Sandy—Town voted \$40,000 bonds for brick and reinforced concrete school building; address Board of Education.*

Tex., Dallas—Baylor University started fund for erecting combination assembly hall and gymnasium.

Tex., Edinburg—Board of Education reject-

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ed all bids for \$28,000, 1-story, brick and reinforced concrete school building; call for new bids; C. H. Page & Brother, Archts., Austin Natl. Bank Bldg., Austin.*

Tex., Georgetown—Southwestern University, Dr. J. Sam Barcus, Pres., opened bids for brick, stone and reinforced concrete, fireproof Woman's Building and Dining Hall; J. E. Johnson Construction Co., Waco, low bidder at \$179,777; C. B. Schoeppl Co., Archts., Humble Bldg., Houston.*

Tex., Hawkins—Jarvis College erect \$50,000, 3-story dormitory.

Tex., Houston—Board of Education, H. L. Mills, Bus. Mgr., considering sites for negro high school building.

Tex., Orange—Orange County Commissioners considering calling \$10,000 bond election in McLewis Common School District No. 15, for erecting 4-room, brick, fireproof school building.

Tex., Pep—Pep Independent School District Board of Trustees receives bids this week for 7-room and auditorium school building; G. S. Glenn, Archt., Littlefield.

Tex., Ralls—Board of Trustees Ralls Independent School District, Will Marr, Pres., receives bids this week for 2-story and part-basement school building; Kerr & Walsh, Archts., Fuqua Bldg., Amarillo and Smyth Bldg., Plainview.*

Tex., Robstown—School Board probably call election in July on bonds for \$125,000 school building.

Tex., San Antonio—Flint & Broad, Archts., 606 Melba Bldg., selected to prepare plans for \$75,000, brick and stone addition to Darnell School; R. F. Taylor, Mech. Engr., 1305 Santa Fe Bldg.

Tex., San Augustine—Board of Education selected C. H. Leinbach, 503 Deere Bldg., Dallas, Archt. for 2-story, brick and stone, 12-room addition and remodeling present High School; \$60,000 bond election soon.

Tex., San Antonio—Board of Education call \$300,000 bond election for South Side Junior School and other improvements.

Va., Fort Myers Heights—Arlington County Board of Education, Fletcher Kemp, Supt., receive bids June 24 for 2-room school building at Bon Air, Lyon Park and Woodmont; proposals may be submitted on individual buildings or all; Upman & Adams, Archts., Woodward Bldg., Washington, D. C.

Va., Grottoes—Rockingham County Board of Education, Harrisonburg, erect \$20,000, 7-room and auditorium school at Mount Clinton and \$20,000, 6-room and auditorium school at Grottoes.

Va., Mount Clinton—See Va., Grottoes.

Va., Norfolk—School Board receive bids June 17 for school building at Meadowbrook; plans and specifications may be obtained from Charles J. Calrow, Archt., New Monroe Bldg.

W. Va., Charleston—Chamber of Commerce agreed to raise \$300,000 for removal of Morris Harvey College from Barboursville, Ky., to Charleston.

W. Va., Mannington—Board of Education Mannington District, A. L. Thomas, Sec., receives bids June 29 for High School building; plans and specifications on file at office of S. W. Ford, Archt., 305 Latstetter Bldg., Clarksburg, or may be obtained from Sec.*

W. Va., Martinsburg—Martinsburg Independent School District voted \$310,000 for new High School building; address Board of Trustees.*

Stores

Fla., New Port Richey—W. J. Morey and Frank A. Bowman have plans for 2-story, Spanish type business block, Boulevard and Missouri Ave.

Fla., St. Petersburg—A. T. Blocker, E-175 Fourth Ave. H., announced plans for replacing Blocker Transfer Building, First Ave. South and Second St., with business building.

Fla., Sanford—Rylander Investment Co., Walter Rylander, Pres., McKenney Rylander Bldg., plans to start work July 1 on 117x222 ft. arcade, 47 stores and shops.

Fla., Sarasota—C. O. Teate erect 1 or 2-story, 100x100 ft. store building.

Fla., Stuart—R. R. Roebuck, Stuart, E. L. Clark, Cleveland, and E. L. Dorsey, Stuart, purchased Stuart Hotel, plan to replace with \$200,000, 4-story, fireproof hotel and business structure.

Fla., West Palm Beach—H. Brown, Miami, has plans by Harvey & Clarke, remodel Steward Building, 13 stores and 38 suites of offices.

Md., Baltimore—Martin J. Barry, 1800 N.

Charles St., purchased property S. W. Cor. North Ave. and St. Paul St., reported to convert for business purposes.

Md., Baltimore—Blackford Lunchroom Syndicate, Harrisburg, Pa., leased building, 216 E. Baltimore St.; make extensive improvements for restaurant.

Md., Baltimore—Robert Seff, 231 St. Paul Place, acquired property, 506-8-10-12 N. Calvert St., and 8 buildings in rear Hargrove Alley; plans extensive improvements for business purposes.

Md., Catonsville (Br. of Baltimore)—William Grim improve property, Frederick and Winters Aves., with new store front and apartments.

Miss., Laurel—Louis R. Meador, Archt., preparing plans for 30x80 ft., hollow tile store building, 13th St.; concrete floors, metal ceilings, built-up roof, steel doors, plate glass show windows.

Miss., Quitman—McNeil Brothers soon let contract for brick building.

Mo., Kansas City—Katz Brothers Drug Co., Eighth St. and Grand Ave., remodel building; Robert F. Gornall, Archt., 203 Bruening Bldg., design and supervise work.

Mo., Kansas City—Liberty Garment Co., 412 N. Eighth St., erect building, N. W. Cor. 20th St. and Broadway.

Mo., Kansas City—T. R. Shiner, 3518 Monroe St., purchased property, S. E. cor. 31st St. and Walrond Ave., erect 3 store rooms.

Mo., Seymour—Mrs. A. H. Davis reported to rebuild building occupied by M. R. Richman, dry goods and groceries, recently burned; J. C. Shumate estate reported to rebuild 2 buildings of J. D. Newton.

N. C., Asheville—Walter P. Taylor, Biltmore, N. C., and L. B. Jackson, Jackson Bldg., erect \$50,000 2-story building, Battery Park and Page Aves.

Okla., Tulsa—Mack J. Perrot erect \$20,000, 2-story, brick business building, 1415 S. Peoria St.; garage \$3000.

S. C., Charleston—Haverty Furniture Co. repair store building, 294 King St., \$10,000.

Tenn., Kingsport—R. S. Fields, Greenville, owner of Fields Cash Store, plans extensive repairs.

Tenn., Knoxville—J. G. Sterchi, 201 W. Fifth Ave., has plans and specifications by R. F. Graf & Sons, Arnstein Bldg., let contract June 15 for 72x132 ft. building for furniture establishment of Sterchi Brothers; 6 stories above sidewalk and 3 below; white stone front, plate glass show windows.*

Tenn., Memphis—Hanker & Cairns, Archts., Scimitar Bldg., preparing plans for replacing 2 buildings, 181-191 Madison Ave., recently burned; Mrs. Mary H. Hodgson, owner.

Tex., Dallas—A. Feikert, 1110 Hall St.,

erect \$11,000, 2-story, brick store building, 2012 Elm St.

Tex., Greenville—Dr. F. L. Young erect \$25,000, 1-story, 98x44 ft. business building, Stonewall and St. John Sts.; Lindsey & Kilmer, Archts., Perkins Bldg.

Tex., Temple—John D. Brannan, Forney, has plans in progress for \$20,000, 2-story, brick and concrete business building, Main St. and Avenue B.

W. Va., Charleston—Judge A. P. Hudson Court House, will erect 3 store rooms in Washington St.; \$10,000.

Theaters

Fla., Coral Gables—Coral Gables Theater Co., W. H. Avery, Pres. and Treas., has plans under way by E. A. Ehman, Congress Building, Miami, for \$150,000 theater and arcade building, Ponce de Leon Blvd. and Avenue Alcazar; theater to seat 1500, 11 stores on ground floor.

Va., Norfolk—Marcus Loew Theatrical Interests, Marcus Loew, Pres., 1540 Broadway, New York, leased Levy Building, Granby St., remodel into \$1,000,000 theater building; Thomas W. Lamb, Archt., 156 5th Ave., New York.*

Warehouses

Fla., Wauchula—Lester Relf Hardware Co., Main St., purchased lot, plans to erect warehouse.

Ga., Macon—Washburn Crosby Co., Minneapolis, Minn., will not erect warehouse.*

La., New Orleans—D. H. Holmes Co., \$19 Canal St., soon take bids for \$100,000, 3-story, brick, 100x120 ft. warehouse addition, Bienville St.; tar and gravel roof, concrete floors, freight elevators, sprinkler system; Favrot & Livaudais, Archts., Hibernia Bldg.

Mo., Independence—Gleaner Manufacturing Co., William J. Herman, Pres., Wichita, Kansas, has plans in progress for 50x300-ft. warehouse and office buildings, Hayward and Cottage Sts.

Mo., St. Louis—Federal Paper Stock Co., McKissock and John Aves., erect \$80,000 building.

Okla., Tulsa—Swift & Co., 2 S. Boulder St., erect \$23,500, 2-story and basement, 70x82 ft. warehouse, Boulder and Frisco tracks.

Tex., Beeville—Grunder Industries, Inc., receiving bids for 160x396, galvanized iron compress warehouse.

Tex., Dallas—R. T. James, 2918 Hall St., erect \$14,000, 1-story, brick supply house, 2014-31 Taylor St.

Tex., Houston—Hughes Tool Co., 300 Hughes St., erect \$15,000 mill constructed warehouse, S. M. Williams addition.

BUILDING CONTRACTS AWARDED

Association and Fraternal

Ala., Birmingham—American Cast Iron Pipe Co. reported let contract for \$200,000 service and Y. M. C. A. building; brick; first floor for Supts., chemical laboratory, etc.; 2 upper floors for Y. M. C. A. with auditorium seat 1500.

Md., Cumberland—J. W. Smith has contract for brick work on \$350,000 Y. M. C. A. building; plumbing, Bartley-O'Neill; Shattuck & Laver, Archts., 19 S. LaSalle St., Chicago; North Eastern Construction Co., Gen. Contr., Lexington Bldg., Baltimore.*

Bank and Office

Ark., Little Rock—Gay Oil Co., 301 W. Third St., T. J. Gay, Pres., let contract for \$125,000 office building, 300 Broadway, to Carter & Carter; Wittenberg, Deloney & Watts, Archts.; N. B. Garver, Designing Engr.*

Fla., Orlando—Orange County Building & Loan Assn., 112 S. Orange St., let contract at \$20,000 to J. C. Hanner, 27½ E. Central Ave., for 2-story and mezzanine bank and office building, Pine and Court Sts.; hollow tile and stucco, marble base, 20x58 ft., tile and oak floors; Howard M. Reynolds, Archt., O. B. & T. Bldg.*

Fla., Wauchula—Bank of Wauchula let contract to remodel and enlarge building; install new fixtures.

Ga., Macon—Macon National Bank, Jess B. Hart, Pres., let contract at \$78,000 to Ches Jones, 25 Wall St., for remodeling and adding 3 stories to 3-story W. A. Doody Co. Bldg. for banking quarters, stores and 150

offices; white Georgia marble veneer on exterior, 40x210 ft., built-up composition roof; heating and plumbing, O'Pry Heating & Plumbing Co., \$16,000; electric work, Macon Electric Co., \$5000; elevator, Morris Pretzel Frank R. Happ, Archt., Fourth National Bank Bldg.*

Miss., Philadelphia—Citizens Bank will remodel building; cost \$20,000; contracts let.

Mo., St. Louis—Landreth Building Corp., Joplin, let contract to Selden-Breck Construction Co., 1108 Fullerton Blvd., for foundation of 18-story store and office building, 320-24 Fourth St.; Preston J. Bradshaw, Contr., International Life Bldg.

S. C., Columbia—Medical Building Co., 1512 Marion St., let contract at \$22,440 to Robt. D. McClure for Medical Bldg., Marion St. opp. Hampton St.; plumbing and heating, W. B. Guimarin & Co., 1224 Sumter St., \$6498; electric work, B-C Electric Co., 1213 Gervais St., \$1163; Lafaye & Lafaye, Archts., 1224 Sumter St.*

Tex., Houston—Houston Art Tile & Terrazzo Co. has contract for marble work on \$500,000 Public National Bank Bldg.; Jas. Ruskin Bailey, Archt., 1606 Main St.; Southwestern Construction Co., Contr., West Bldg.*

W. Va., Bluefield—Bluefield National Bank let contract to Mesler Safe Co., Hamilton, O., for vault door in new quarters, Federal and Raleigh Sts.

Churches

Fla., Sarasota—First Presbyterian Church, Ralph C. Caples, Chmn. Bldg. Comm., let contract for \$155,000 church and Mabel Ring-

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ling Recreation Hall to Stevenson & Cameron; furnishings, \$10,500; Dwight James Baum, Archt., Spuyten Duyvil Pkwy. and Waldo Ave., New York, and Owen Burns Office Bldg., Sarasota.*

Ala., Sycamore — Methodist Episcopal Church, South, Rev. S. T. Daniel, Pastor, is erecting building.

Fla., West Palm Beach—First M. E. Church South, E. D. Anthony, Chmn. Bldg. Comm., let contract at \$225,000 to Walker Brothers & Co., Birmingham, Ala., for Spanish type building, Rosemary St. and Hibiscus Ave.; steel skeleton, hollow tile walls, cast stone trim, slate roof; Spencer & Phillips, Archts., Goodwin Institute Bldg., Memphis, Tenn.*

Ga., Sardis—Baptist Church, Rev. C. M. Meiers, Pastor, will erect brick building; seat 500; N. Sargent Hamilton, Archt., 2 Springlake Drive, Atlanta; Holley Construction Co., Contr., Lamar Bldg., Augusta.

La., New Orleans—J. R. Quaid, 2201 Gen. Taylor St., has buff brick contract for St. Henrys R. C. Church building, Gen. Pershing and Magazine Sts.; common brick, Clifford F. Favrot Supply Co., Inc., 2530 Perdido St., pressed brick, Keys-James Brick Co.; Lionel F. Favrot, Louisiana Bldg., general contract at \$42,122.*

La., Shreveport—St. Johns Catholic Church let contract to Garson Bros. for fireproof Gothic type building, Jordan St.; cost \$300,000, 120x180 ft., concrete foundation, slate roof, hollow and interior tile, hardwood floors, steel sash and trim; auditorium seat 1000; bell tower boiler room in basement; Edw. F. Neild, Archt., Merchants Bldg.*

Md., Baltimore—St. Dominick's R. C. Church let contract at \$40,744 to Jas. J. O'Connor, 52 Knickerbocker Bldg., for two 1-story additions, Harford Rd. and Gibbons Ave.; stone, 12x70 ft. each, wood floors, concrete foundation, slate roof; Francis E. Tormey, Archt., Room 20, City Hall; sheet metal work, A. Kohlleppe & Son, 616 N. Eutaw St., \$690; stone work, Seymour Ruff & Sons, 2133 Maryland Ave., \$1,290.*

Mo., St. Louis—St. Ambrose R. C. Church is erecting \$150,000 building, Cooper and Wilson Aves.; Corrubia & Henderson, Archts., Arcade Bldg.*

Mo., St. Louis—United Hebrew Congregation let contract for synagogue, 205-25 S. Skinner Rd., to J. Hill, Syndicate Trust Bldg.; Moritz & Young, Archts., Chemical Bldg.

Miss., Starkville—Methodist Church let contract for \$75,000 building to Chastang & Roswell, Jackson; Jas. E. Greene, Archt., Empire Bldg., Birmingham, Ala.*

N. C., Fuquay Springs—Baptist Church, Rev. J. P. Harris, Pastor, started work on \$20,000 building.

Tenn., Paris—First Methodist Church, J. M. Freeman, Chmn., Bldg. Comm., let contract for \$125,000 church and Sunday School building to Jack Cole, Paducah, Ky.; dark face brick, 3-manual pipe organ, auditorium seat 1000, Sunday School 1500; Spencer & Phillips, Archts., Fidelity Bank Bldg., Memphis.*

Tex., Anson—Methodist Church let part contract for \$15,000 building to J. Dyer, Stamford, at \$7864; 3 stories, 25x60 ft.

Tex., Huntsville—Baptist Church is erecting \$100,000 building. Address The Pastor.

Tex., San Antonio—Methodist Church, Rev. H. H. Bain, Pastor, let contract to M. L. Rees for basement of \$25,000 addition; Morris & Noonan, Archts.-Engrs., Builders Exchange Bldg.*

City and County

Ala., Birmingham—Jefferson County Board of Revenue left excavation contract for \$1,500,000 courthouse and jail, Woodrow Wilson Park, to Bessemer Engineering & Construction Co., Bessemer; lately noted to excavate with convict labor; Harry B. Wheeler, Archt., Steiner Bldg.; probably have plans ready about August 1.

Md., Baltimore—Board of Awards let contract at \$26,440 to Heat & Power Corp., 428 E. Saratoga St., for heating pipes and radiators in City Hall.*

Mo., Independence—City let contract at \$105,000 to M. T. Colgan, Fairland Heights, Kansas City, for Soldiers' Memorial Bldg., Maple Ave. and Pleasant St.; brick, Indiana limestone trim, 2½ stories and basement; Alonzo H. Gentry, Archt., 1003 A. & R. Bldg., Kansas City.*

Tex., Houston—City, O. F. Holcombe, Mayor, will erect \$60,000 bird house in Hermann Park Zoo; frame, 2 stories, concrete foundation, composition shingle roof, pine floors, plaster, etc.; day labor.

Dwellings

Ark., Arkadelphia—H. W. Gibbs will erect 2-story brick veneer residence, Henderson St. near Tenth St.; C. D. Gregory, Contr.

Ark., Arkadelphia—Mrs. W. M. Wapfer will erect 6-room brick veneer residence; J. W. Bryne, Contr.; Mr. Bryne also erecting residence for Mrs. J. H. Bill.

Ark., Camden—J. H. Jeffus has started work on \$10,000 brick residence, McCollough St., Parkview; 2 stories; owner builds.

Fla., Boynton—John Ramsey will erect 36x52-ft. Spanish type bungalow, Jessamine St.; Shame & Winchester, Contrs.

Fla., Boynton—Wilcox and Oyer will erect Spanish type bungalow, Ylang St., in addition to 1 nearing completion.

Fla., Bradenton—John Gleason will erect \$22,500 tile and stucco residence; A. C. Price, Archt.; Robt. G. Cregan, Contr.; millwork, Bradenton Novelty Co.; plumbing and heating, S. H. Klemetsrud; electric wiring, Roy A. Parker; marble and tile, Steward Mellon Marble & Tile Co.; painting and decorating, Frank Markham.

Fla., Manatee—S. P. Fann is erecting residence, R. R. Roadman's Addition.

Fla., Manatee—J. M. Favero is erecting residence, R. R. Roadman's Addition.

Fla., Manatee—Martin Bros. are erecting 2 dwellings, R. R. Roadman's Addition, near Manatee.

Fla., Manatee—Tom Sirmon is erecting residence, R. R. Roadman's Addition.

Fla., Miami—Distinctive Homes Co., Cla Reina Hotel, will erect five \$20,000 to \$25,000 dwellings, Douglas section, Coral Gables; all 2 stories; Wm. Hamby, Archt.

Fla., Orlando—J. Hale Dean, Gore Ave., is erecting \$13,000 residence, S. Delaney St.; Geo. Krug, Archt.; 541 Hillcrest Ave., A. E. Slauson, Contr., 27 W. Colonial St.

Fla., St. Petersburg—Mrs. Ella R. Corson, 700 Beach Drive, will erect hollow tile and stucco Colonial residence, Lakewood Estates; tile patio, 4 baths, 2 showers, 4-car garage with servants' quarters; W. Scott Serviss, Contr.

Fla., Winter Park—Christopher Christ, Bldr., Bayonne, N. J., is erecting dwelling, Alabama subdivision; plans others; has contract for cottage, Sylvan Park for Miss Goodrich.

Fla., Jacksonville—Conrad Mangels, 1601 Post St., will erect \$30,000 residence, Talbot St., near Richmond St.; 2 stories, brick veneer; H. F. McAden, Contr., Riverside Ave.

Ga., Atlanta—J. Chandler Harris, Jr., 1415 Atlanta Trust Bldg., let contract to J. S. & C. R. Collins for \$25,000 hollow tile and stucco residence, Habersham Rd.; 2 stories, oak, tile and slate floors, concrete foundation, slate roof, ventilators, steel sash and trim; steam vapor system of heating not let; C. C. Wendehack, Archt., 101 Park Ave., New York; Ivey & Crook, Supervising Archts., Candler Bldg.*

Ga., Shannon—Southern Brighton Mills let contract for 65 dwellings to Daniel Lumber Co., LaGrange; J. E. Sirrine & Co., Engrs., Greenville, S. C.; sub-contracts not let.

La., New Orleans—Louis Green, 4022 N. Prieur St., will erect 3 double cottages, France near Johnson Sts.; 4 rooms; receiving subids for plumbing, composition roofing, steel metal work, plastering, painting, lumber, millwork, hardware and building material; owner builds.

La., New Orleans—Sixth District Building & Loan Assn., 4322 Magazine St., will erect \$12,500 raised dwelling, Upperline and D'Hemencourt Sts.; Edw. M. Dye, Contr.

La., New Orleans—Martin Campo, 934 Montegut St., will erect double 2-story building, Wilson Drive and Dumaine St.; cost about \$10,000; J. Ernest Hagin, Contr., 1739 General Taylor St.

La., New Orleans—A. L. Smith, 228 S. Hennessy St., will erect 2 duplexes, Perrier and Calhoun Sts.; total cost \$18,000; Mrs. Otto Katz, Contr.

La., New Orleans—Chubby Realty Co., will erect 2-story hollow tile and stucco dwelling and garage, Audubon Bldg. near Hickory St.; H. A. Lagasse Co., Inc., 825 Ninth St., contract at \$29,800.

La., New Orleans—Henry W. Frantz, 2118 Tulane Ave., will erect \$10,500 raised bungalow, Fontainebleau Drive and Pine St.; Denis & Handy, Contrs., Perdido Bldg.

La., New Orleans—Albert B. Orduna, 2487 St. James St., contemplates erecting 4 double cottages; 8 rooms, composition roofs; owner builds; sub-contracts in about 30 days.

La., New Orleans—Adloe Orr, 316 Baronne

St., contemplates erecting 8 duplexes, Canal Blvd.; owner builds and sub-lets.

Md., Baltimore—City & Suburban Realty Co., Harford Road & Hamilton Ave., Dr. Geo. C. Wegefath, Pres., has contracts for 8 bungalows for following: Rockwood Ave., Hamilton, C. E. Doster; Glenmore Ave., Hamilton Meadows, W. A. Woolsey, 2303 W. Fairmount Ave., and J. Allen Seward, Arbutus Ave., Hamilton Orchards, John L. Stewart, Edw. M. Aurner and Wm. J. Struth; Putty Hill Ave., Parkville Summit, Edgar H. Rau and G. J. Jones.

Md., Baltimore—Saml. D'Angelo, 308 Light St., let contract to S. Bottoglia for \$11,000 brick residence, 2216 Harford Rd.; 2 stories, 30x62 ft., slag roof, hot water heat; E. Di Stefano, Archt.*

Md., Baltimore—Phillip S. Morgan, 514 St. Paul Place, will erect 7 brick dwellings, S. E. cor. Collins Ave. and Old Frederick Rd.; 2 stories, 14x42 ft., and 20x30 ft., slag roofs; total cost about \$30,000; Geo. Wessel, Archt., 3001 Lytleton Rd.; owner builds.*

Md., Baltimore—Plaza Construction Co., Equitable Bldg., will erect 19 brick dwellings, 2001-13, 2000-14, 2201-07 Baker St.; 2 stories, 16x30 ft., steam heat; total cost \$38,000; H. S. Adler, Archt., 809 Newington Ave.; owner builds.*

Md., Baltimore—Dominique Tamburo, 2032 Edmondson Ave., let contract to Phillip Vizini, 2908 W. North Ave., for 2 brick dwellings, S. E. cor. Liberty Heights and Packard Aves.; 2 stories, 40x93 ft., tin roof, hot water heat; total cost about \$18,000; plans by Contr.*

Md., Baltimore—Hoefer & Gottschalk, Palmer and Oread Aves., will erect 5 brick dwellings, W. side Pall Mall, S. of Oakdale Ave.; 2 stories, 15x12 ft., slag roofs, hot-water heat; total cost \$18,000; plans and construction by owner.*

Md., Baltimore—A. P. Marty, 100 Roland Ave., will erect \$25,000 residence and garage, S. E. side Millbrook Rd., near Charleote Rd.; 2 stories, 46x43 ft., and 20x22 ft., slate floors, vapor heat; Geo. N. Mackenzie, Archt., 712 Evesham Ave.; Wm. H. Sands, Cotur., Pennsylvania Ave., Towson, Md.*

Md., Baltimore—Moore Realty Co., 2 E. Lexington St., will erect 2 frame dwellings, W. side Newland Ave., N. of Southway, 2½ stories, 25x30 ft. and 27x30 ft., slate roofs, steam heat; total cost \$20,000; O. B. Wright, Archt.; owner builds.*

Md., Baltimore—Jas. M. Adams, 626 Woodbine Ave., will erect 4 frame dwellings, S. W. cor. Harwood and Woodrow Aves.; 2 stories, 24x26 ft., frame, slate roofs, furnace heat; total cost \$12,000; plans and construction by owner.

Md., Baltimore—Cityco Realty Co., 7 St. Paul St., will erect 4 brick dwellings, N. W. cor. Druid Park Drive and Hillsdale Place; 2 stories, 18x36 ft., slag roofs, steam heat; total cost about \$14,000; F. E. Beall, Archt., 306 St. Paul St.; owner builds.*

Md., Baltimore—V. L. Insley will erect 7 frame dwellings, S. W. side Wilson Terrace, N. W. of Belair Rd.; 2 stories, 24x32 ft., furnace heat; total cost \$21,000; owner builds.

Md., Baltimore—Leggett & Leggett, 3510 Harford Ave., will erect 7 brick dwellings, S. W. cor. Maple and Glenoak Aves.; 2 stories, shingle roofs, hot water heat; total cost about \$30,000; B. Evander, Archt.; owner builds.*

Md., Baltimore—Macgill James will erect \$15,000 residence and garage, S. side Cold Spring Lane near Charles Street Ave., 2 stories, 40x26 ft. and 10x17 ft., brick, slate roofs, hot water heat; Buckler & Fenhagen, Archts., 325 N. Charles St.; L. L. Chambers, Inc., Contr., 36th St. and Roland Ave.*

Md., Baltimore—Northwest Real Estate Co. will erect \$10,000 dwelling, 708 Huntington Place; 2½ stories, 27x28 ft., frame; plans and construction by owner.

Md., Baltimore—Progressive Building Co. will erect 15 brick dwellings, 2801-29 Mulberry St.; 2 stories, 14x40 ft. and 13x40 ft., hot air heat; total cost \$45,000; L. Schoenlein Jr., Archt.; owner builds.

Md., Baltimore—Traymore Building Co. will erect 9 frame dwellings, Shelburne Ave. near 7-Mile Lane; 1½ stories, 28x48 ft., slate roofs, steam heat; total cost \$50,000 to \$60,000; H. R. Mason, Archt., 8 E. Lexington St.; owner builds.*

Md., Baltimore—Jas. P. Reed, 1413 Linden Ave., will erect 2 frame dwellings, N. side Linwood Ave., W. of Key Ave.; 2 stories, 26x30 ft., steam heat; total cost \$10,000; H. W. Eckstein, Contr.

Md., Baltimore—J. W. Scher, 424 W. Baltimore St., let contract to D. A. Sackerman for \$10,000, frame residence and garage, S.

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side Powhatan Ave., E. of Hilton St.; 2½ stories, 30x38 ft., slate roof, hot-water heat; plans by Contr.*

Md., Baltimore—Morris Swerdlin, 2421 Eutaw Place, will erect 8 brick dwellings and garages, 1801-05 Thomas Ave.; 2 stories, 17x46 ft. and 16x38 ft., slag roofs, furnace heat; total cost \$20,000; Callis & Callis, 2055 Kennedy Ave., Archts.; owner builds.*

Md., Catonsville (Branch Baltimore)—J. Dell Porter has started work on frame cottage, Locust Drive, Summit Park.

Md., Catonsville (Branch Baltimore)—Henry N. Fersch will erect 2-story frame residence, Hubner Ave., Oak Crest; Saml. D. Harrison, Contr.

Mo., Clayton (Ind. Branch St. Louis)—Eighty Hundred Realty Co., 1101 Locust St., will erect \$37,000 tile and stucco duplex, block 5, Davis Place; 81x32 ft. and 52x30 ft.

Mo., Kansas City—Mrs. Harriett Cross, 3839 Troosie Ave., let contract for brick residence, 1200 Stratford St.; cost about \$35,000; furnishings, equipment, etc., \$20,000; 12 rooms, 2 stories and unfinished third floor, oak floors, stone foundation, slate roof, hot-water heating to Vernon Peterson; Selby Kurfiss, Archt., Scarrit Bldg.; all contracts let.*

Mo., St. Louis—J. W. Jones, 5047 Aubert St., will erect 4 brick dwellings, 816-20-24-26 Lee St.; 2 stories, 27x36 ft., slate-coated shingle roofs, furnace heat; total cost \$18,000, plans and construction by owner. z

Mo., St. Louis—B. Darr, 3520 Henrietta St., will erect \$10,000 brick residence, 4535 Magnolia St.; 2 stories, 38x36 ft., slate roofs, steam heat; E. Lich, Contr., 4502 Fair St.

Mo., St. Louis—G. Kaetzel, 4305 Grace St., will erect \$12,000 brick residence, 3805 Kings highway, S. W.; 2 stories, 38x44 ft., slate roofs, furnace heat; A. G. Stohlmann, Contr., 6220 S. Kingshighway.

Mo., St. Louis—H. & A. Koherman, 4642 Gravois St., will erect 4 brick dwellings, 4700-04-08-12 Allemania St.; 1 story, 24x26 ft., composition roofs, furnace heat; total cost \$12,000; plans and construction by owner.

Mo., St. Louis—F. Neill, 4234 Sacramento St., will erect 3 brick dwellings, 4881-85-89 Lee St.; 1-story, furnace heat, total cost \$12,000; J. Fasting, Archt., 4164 Kossuth St.; owner builds.

Mo., St. Louis—F. Seever, 3007 Abner St., will erect 3 brick dwellings, 3939-43-45 Tholoan St.; 2 stories, 24x30 ft., composition roofs, hot air heat; total cost \$11,400; owner builds.

Mo., St. Louis—H. Spoehrer, 3740 Julian St., will erect \$15,000 brick residence, 6236 Fauquier St.; 2 stories, 41x33 ft., slate roofs, hot water heat; W. P. Manske, Archt., 4935 Delmar Blvd.; W. H. Cunliff, Contr., 410 N. Euclid Blvd.

Mo., St. Louis—H. Tacke, 5149 Rosa St., will erect \$13,000 brick residence, 6254 Wydown Blvd.; 2 stories, 65x30 ft., slate roof, hot water heat; M. Schumacher, Archt., 8635 Mora Lane; owner builds.

Mo., University City (Station St. Louis)—John B. Hill, 245 N. Union St., will erect \$12,000 brick residence and attached garage, 7266 Creveling Drive; 2 stories, 31x40 ft., tile roof, hot water heat; Moritz & Young, Archts., Chemical Bldg.; John Hill Construction Co., Contr., 915 Olive St.; both St. Louis.

Mo., University City (Station St. Louis)—F. J. Loewe, 5833 Nina Place, will erect \$10,000 brick residence, 1717 Maryland Ave.; 2 stories, 51x28 ft.; slate roof, hot water heat; F. J. Honerkamp, Contr., 5986 Easton St.

Mo., Webster Groves (Ind. Branch St. Louis)—Chas. Baker will erect \$10,500 stucco residence, 549 Somerset St.; 28x46 ft.; W. N. Rombaugh, Contr., 1086 Arcade Bldg., St. Louis.

Mo., Webster Groves (Ind. Branch St. Louis)—R. Waddington will erect stucco duplex, 443 California St.; cost about \$10,000, 30x42 ft.; L. L. Livingston, Contr., 802 Chestnut St., St. Louis.

Mo., Webster Groves (Ind. Branch St. Louis)—L. C. Martin will erect \$10,000 frame residence, 255 Jefferson Rd.; 40x28 ft.; E. A. Brunson, Contr., 2151 Railway Exchange Bldg., St. Louis.

N. C., Charlotte—Second Presbyterian Church, Dr. A. A. McGeachy, pastor, 622 N. College St., has started work on \$20,000 manse, Queens Rd.; Franklin Gordon, Archt.; John Blythe, Contr., 1910 E. Seventh St.

N. C., University—Southern Power Co., Charlotte, E. E. Williams, Supt., let contract at about \$25,000 to Rock Hill Lumber Co., Rock Hill, S. C., for 6 dwellings at Eno

River Plant; frame, composition roof, 5 and 6 rooms, flat pine floors, underpinned brick foundations; electric work, Rigsbee Electric Co.; plumbing, Durham Plumbing Co., S. Corcoran St., both Durham; plans by owner; materials purchased.*

S. C., Camden—J. K. DeLoach will erect brick and tile bungalow; Geo. A. Creed, Contr.

Tenn., Chattanooga—W. H. Holton, 715½ Oak St., is erecting stucco residence, Fairmont St., Riverview; J. V. Trotter, Contr., 109 E. Seventh St.

Tenn., Chattanooga—G. E. Kerr is erecting brick and stone residence, Fairmont St., Riverview; J. V. Trotter, Contr., 109 E. Seventh St.

Tenn., Chattanooga—J. H. Tipton, care of Tennessee Electric Power Co., is erecting brick residence, Fairmont St., Riverview; J. V. Trotter, Contr., 109 Seventh St.

Tenn., Chattanooga—J. V. Trotter, 109 E. Seventh St., is erecting number of dwellings.

Tenn., Knoxville—B. F. & F. E. Bean have started work on 2 brick veneer dwellings; 6 rooms, hardwood floors; total cost \$15,000.

Tenn., Memphis—Mrs. J. R. Prothro will erect \$10,000 frame residence, 684-86 Wicks St.; B. G. Baird & Thompson, Contrs., 1127 N. Second St.

Tenn., Nashville—Dr. A. E. Parkins, care George Peabody College for Teachers, has completed basement of \$14,000 hollow tile and stucco veneer residence, 1805 Linden Ave.; 1½ stories, 56x38 ft., oak floors, stone foundation, Richardson's roofing, hollow tile; Tisdale, Stone & Pinson, Archts., Independent Life Bldg.; J. E. Chilton, Contr., 2108 Blair Blvd.; hot air heating, Phillips-Buttort Manufacturing Co., 217 Third Ave., North.*

Tex., Dallas—D. A. Barnett & Son, 6163 Bryan Parkway, are erecting \$35,000 residence, 5916 Swiss Ave.; brick veneer, slate roof, 10 rooms; Marshall D. Barnett, Archt., 5815 Ross St.

Tex., Dallas—J. F. Parks will erect \$30,000 Spanish type dwelling, Worth St., Parks Estates; Sadler & Russell, Archts., Melba Bldg.; 6 dwellings nearing completion.

Tex., Dallas—E. H. Ray, 6140 Bryan Parkway, is erecting \$37,000 residence, Oram St., Munger Place; brick, 13 rooms, 2 tile baths, hardwood floors, tile solarium, slate terrace, 3-car garage C. H. Griesenbeck, Archt., S. W. Life Bldg.; C. A. Fuess, Contr., Merchants Bank Bldg.

Tex., Houston—Geo. T. Broun Co., 4203 Yoakum Blvd., started work on Colonial dwelling, Colby Court; red brick, hardwood floors, tile entrance halls and bath.

Va., Alexandria—Snyder-Kane-Boothe Corp. will erect 8 brick dwellings, Peyton St. near King St.; 2 stories, porches; David E. Bayliss, Contr.

Va.-Tenn., Bristol—D. W. Wagner will erect \$20,000 native limestone veneer residence, Euclid Ave.; 2 stories, 55x45 ft., hardwood and concrete floors, concrete foundation, tile roof, interior tile; C. B. Kearfott, Archt.; R. V. Arnold, Asso. Archt.; vacuum vapor system of heat and plumbing, Fred Hayes; flexible conduit system electric wiring, Grinnell Bros.; owner is building.*

Va., Richmond—Morton G. Thalheimer, 1013 E. Main St., is erecting number brick dwellings, 1200 block South Meadow St.; 5 rooms and bath, hardwood floors, built-in refrigerators; work in charge of Rosewood Construction Corp.

Government and State

W. Va., Charleston—Van Dorn Iron Works, Cleveland, O., have contract through Frank H. Tyree, 1417 Sixth Ave. and A. D. Mead, Selling Agts., Huntington, W. Va., for steel equipment and filing devices for new State Capitol Building.

Hospitals, Sanitariums, Etc.

Fla., Sarasota—Sarasota Welfare Assn., Geo. L. Thacker, Chmn., Bldg. Comm., let contract to Corrin & Logan for \$40,000 administration unit of \$75,000 Sarasota Hospital, Hawthorne St. near Osprey Ave.; 40 rooms, built-up asphalt roof; Martin Studios, Inc., Archts.*

Ky., Covington—Salvation Army, V. R. Post, Brigadier, Property Comsn., New York, let following contracts for \$400,000 Booth Memorial Hospital: General, Wortham Construction Co., Starks Bldg., Louisville, Ky.; plumbing, Thos. J. Dyer Co.; heating, Heyde Heating Co., 111 Government Sq.; electric work, Beltzhoover Electric Co., 4th and Plum St.; elevators and dumb waiters, Warner Elevator Manufacturing Co.; steel windows

and factory sash, Durbrow & Otte, 206 W. Court St.; soft floors, John R. Coppin Co., Seventh and Madison Ave.; fireproof vault front, Hall's Safe Co., 3253 Spring Grove, Cincinnati, O.; sound-proof materials, Johns-Manville, Inc., New York; structure, Georgian type, 4 stories and basement, 189x150 ft., fireproof, accommodate 84; Saml. Hannaford & Sons, Archts., 1024 Dixie Term. Bldg., Cincinnati.*

Okla., Ardmore—State Board of Public Affairs, Carl L. Rice, Chmn., Oklahoma City, let contract at \$31,131 to F. E. Watson for hospital at Confederate Home of Oklahoma.*

Tex., Wichita Falls—Wichita Falls Medical and Surgical Clinic, Dr. Z. B. Lee, member, let contract to D. H. Whitehill Construction Co., 2010 Fifth St., for \$200,000 brick, stone and concrete hospital, Eighth and Bluff Sts.; 4 stories, 60x168 ft., 20 private rooms, 1 ward, 3 operating rooms; Voelcker & Dixon, Archts., 312 Morgan Bldg.*

Hotels and Apartments

Fla., Lakeland—G. C. Meeks and J. O. Bloodworth erecting \$70,000, 48-room apartment house, McDonald St. and Success Ave.; 8-car garage in connection.

Fla., Miami—Fred Kreble has contract for \$65,000, 30-family Hahn-Christensen Apartments; H. George Fink, Archt., C. & L. Bldg., Coral Gables.

Fla., Miami—Parker-Jesse Properties, Inc., started work on \$50,000, 2-story, 43x85 ft., 16-family apartment house, 1785 N. E. Second Court, Miramar; Spanish tile roof, stucco front; R. A. Preas, Archt.

Fla., Miami—S. S. Boyce let contract to Alvin L. Sammons for \$65,000 apartment house, Michigan Ave. between Seventh and Eighth Sts.

Fla., Miami—Smith Co., Inc., let contract to Alvin L. Sammons for \$100,000, 88-room and 14-store building, Biscayne Ave.

Fla., Miami Beach—N. B. T. Roney, 426 Collins Ave., let contract to George A. Fuller Co., Central Arcade Bldg., Miami, for first unit of Roney Plaza Hotel on ocean front at 23rd St.; \$2,000,000, contain 300 guest rooms, 9 stories, ornamental tower 6 stories above roof, present unit have 51 shops on ground floor; Schultze & Weaver, Archts., 17 E. 49th St., New York; Robert A. Taylor, Asso. Archt., 34 N. Bayshore Drive, Miami.*

Fla., Palm Beach—Edward Coffey let contract to H. L. Reynolds for 4 art studios, Worth Ave. and Peruvian St.; apartments on second floor.

Fla., St. Petersburg—Harry C. Case, 401 Third Ave., N., let contract to Franklin J. Mason, Inc., 309-13 Central Natl. Bank Bldg., for foundation work on \$300,000, 7-story hotel.*

Fla., Tampa—Bailey-Erler, Inc., 905-6 Citizens Bank Bldg., let contract to The Erler Corp., same, for \$200,000, reinforced concrete, stucco on hollow tile, 116x60 ft., 6-story apartment building, 902 S. Dakota Ave.; tile roof, concrete slab and hardwood floors, concrete foundation, hollow tile, interior tile, mail chutes, steel sash and trim, wire glass; Francis J. Kennard & Son, Archts., Krause Bldg.*

Fla., Winter Haven—Lake Region Hotel Co., H. B. Mabson, Pres., let contract to Seymour-Craig Co. for 3-story, brick and frame, stucco exterior finish, \$200,000 Lake Region Hotel, Lake Ave. and N. Fifth St.; 3 storerooms on first floor; Winter Haven Electric Co., electric work; J. A. Mann Plumbing Co., plumbing; G. C. Ripley, painting; B. C. Bonfoey, Archt., Peetway Bldg., Tampa.*

La., Monroe—J. E. Doughtie, owner of Hotel Monroe, started work of refinishing; stucco, refinish and repaint 80 rooms.

La., New Orleans—E. W. Carr, Inc., 415 Gravier St., has contract for Spencer turbine vacuum cleaning equipment for Hotel Roosevelt addition, under construction by C. A. D. Bayley Co.*

Md., Baltimore—Temple Gardens Realty Co., incorporated by J. Henry Miller, Eutaw and Franklin Sts., and others; soon to start work on \$1,500,000, 14-story, brick with terra cotta and cast stone trim, 134x140 ft., fireproof Temple Gardens Apartments, S. E. cor. Madison Ave. and Cloverdale Road; 104 housekeeping suites; main floor contain lounge, offices, telephone booths; 2 high-speed passenger elevators; service lift, steam laundry, mechanical refrigeration; J. A. Douglas will manage; J. Henry Miller, Inc., Contrs., Eutaw and Franklin Sts., A. Lowther Forrest, Archt., Professional Bldg.

Mo., St. Louis—D. Beckert, Washington Hotel, erect two 2-story, brick, 24x44 ft. tenements, 4554-8 Morganford Road; \$10,600, tar and gravel roofs, hot air heat; Hoffman

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Realty Co., Builder and Archt., 5418 Gravois St.

Mo., St. Louis—Exermont Realty Co., 801 Chestnut St., erect \$10,000, 2-story, brick, 36x41 ft. tenement, 3252 S. Compton St.; hot air heat, tar and gravel roof; owner builds.

Mo., St. Louis—A. Frank, 4006 Labadie, let contract to O. J. Carmack, 3943A St. Louis St., for \$10,000, 36x50 ft., brick, 2-story tenement, 2919-21 Warne St.; tar and gravel roof, hot air heat; J. E. Tarling, Archt., 4114A Kossuth St.

Mo., St. Louis—T. J. Potashnick, 817 Chestnut St., let contract to V. A. Chinberg, 808 Chestnut St., for six 2-story, brick, 34x41 ft. tenements, 5225-31-35-43-47-51 Bancroft; \$66,000, composition roofs, hot air heat; O. J. Popp, Archt., Arcade Bldg.

Mo., St. Louis—T. C. Ruhaack, 2623 Texas St., erect three 2-story, brick, 37x44 ft. tenement, 6422-4-6-8-30-2 Oakland St.; tar and gravel roofs, furnace heat; \$36,000; H. Schaumburg, Archt., 3631 Connecticut St.; owner builds.

Mo., St. Louis—West End Realty & Construction Co., 6511 Delmar, erect five 2-story, \$10,000, brick, 34x50 ft. tenements, 5205-9-15-19-45 Ashland St.; composition roofs, steam heat; C. L. Thurston, Archt., Webster Grove, Mo.; owner builds.

Mo., St. Louis—F. J. Daer, 1317 Kentucky St. erect three 2-story brick, 19x46 ft. tenements, 3429-33 Minnesota St.; \$19,500, composition roof, hot air heat; owner builds.

Mo., St. Louis—R. Eilers, 628 Chestnut St., let contract to Mississippi Valley Construction Co., 802 Chestnut St., for four 2-story, brick, 34x50 ft. tenements, 4903-7-11-15 Theodosia St.; \$34,000, composition roofs, hot air heat O. J. Popp, Archt., Arcade Bldg.

Mo., St. Louis—B. Gottschalk, 1323 Geyer St., let contract to D. Nicholson, 1385 Burd St., for \$10,000, 1-story, 44x45 ft., brick tenement, 3301-3 Potomac St.; composition roof, hot air heat.

Mo., St. Louis—M. Goldman, 313 Title Guaranty Bldg., let contract to Pomeroy Construction Co., 805 Chestnut St., for four 2-story, brick, 34x50 ft. tenements, 4320-4-8-32 Flora Ave.; \$40,000; composition roof, furnace heat; O. J. Popp, Archt., Arcade Bldg.

Mo., St. Louis—E. W. Wiehe, 2033 Franklin St., let contract to J. E. Williams, 6914 Dartmouth St., for \$10,000, 2-story, brick, 28x51 ft. tenement, 4518A Shenandoah St.; G. F. Hayden, Archt., 2824 Chippewa St.

Mo., St. Louis—J. Morgoni, 3421 Marcus St., let contract to Hotfelder Realty & Building Co., 4404 Natl. Bridge, for \$10,000 2-story, 39x56 ft. tenement, 5328-30 N. Kingshighway, and \$1000 garage; composition roof, steam heat.

Mo., St. Louis—M. Israel Hotel Co., 18th and Chestnut Sts., alter 3-story stores and tenement, 1702-14 Chestnut St.; \$15,000; A. J. Ruckert, Archt. and Builder, 17 N. 10th St.

Mo., St. Louis—O. J. Senn, 2623 January St. erect \$10,000, 2-story, brick, 34-53 ft. tenement, 2001 Maury St.; tile roof, hot air heat; C. Thurston, Archt., Webster; owner builds.

Mo., University City (Sta. St. Louis)—E. Davis Realty Co., 11th and Locust Sts., erect 2-story, brick, 27x49 ft. flat and 1-story, brick, 20x20 ft. garage, 1161 Kingsland Ave.; slate roof, steam heat, \$11,800; Hesse & McAlpin, Archts. & Contrs., 6737 Julian St.

Tenn., Memphis—H. A. Baum, Archt., let contract to Cashemon, Fulghom & Neely, for \$16,000, 2-story, brick apartment house, N. E. cor Union Ave. and Tucker St.; heating plant \$1500.

Tenn., Memphis—I. A. Brown erect \$16,000, 2-story, brick veneer apartment house, 62 S. Tucker St.; heat \$2000; Castleman, Fulghum, Neely Co., Contrs.

Tenn., Memphis—Union Construction Co., Exchange Bldg., erect \$15,000, brick and frame apartment building, N. Belvedere Blvd.

Tenn., Paris—Caldwell Hotel, Mr. Watkins, Mgr., started work on remodeling; include running water and new plumbing.

Tex., Amarillo—Dr. S. P. Vineyard let contract to Albert Randall for \$65,000, brick, stone and reinforced concrete, 60x100 ft., semi-fireproof apartment house; E. F. Ritzenberry, Archt., 303 Blackburn Bldg.*

Tex., Brownsville—E. P. Harper & Son erect 1 and 3-story, 25x95 ft., brick and stone hotel addition and store spaces, with day labor; private plans.

Tex., Houston—Houston Art Tile & Terrazzo Co. has contract for wainscoting of 40 baths in \$500,000 apartment building for San Jacinto Realty Co.*

Miscellaneous

Fla., Boynton—Boynton Woman's Club let contract to Adams & Heaton for \$50,000 clubhouse on S. Dixie Highway.*

Fla., Tampa—Amusements—Davis Island Coliseum Corp., C. F. Cullen, Pres., 102 Lafayette St., let contract to William J. Taylor, same, for \$225,500, 170x248 ft., hollow tile, stucco and frame coliseum; reinforced concrete foundation, maple floors, Johns-Manville roof, hollow tile, interior tile, ventilators, ornamental terra cotta; Monroe Electric Co., 208 Cass St., elevators; open bids before July 15 for equipment and furnishings costing \$75,000, to include: asbestos curtains, chairs, soda fountains, dining room and kitchen equipment; Charles Rothenbecker, Archt., St. Petersburg.*

Ga., Savannah—Mrs. Henry W. Hodge broke ground for \$35,000 Mills Memorial Home for aged infirm colored people; steam heat, shingle exterior; Levy, Clarke & Bergen, Archts., Liberty Bank and Trust Bldg.; F. McRae, Contr., 11 Krayton St.

Md., Baltimore—Wm. J. O'Meara, Frisby and Belt Line R. R., erect \$10,000, 1-story, brick, 92x93 ft. building, N. E. cor. Frisby St. and Belt Line R. R.; slag roof, hot water heat; owner is Archt. and Builder.

Tex., Houston—Clubhouse—Gannage Investment Co., West Bldg. let contract to Tellepsen Construction Co., Rice Institute, for \$50,000, concrete block, stuccoed, 150x60 ft., 1 and 2-story clubhouse, Golfcrest; cement and tile floors, concrete foundation, tile roof, metal ceilings, plaster board; John McLeland, Archt., Woolworth Bldg.*

W. Va., Fairmont—Frank Crawford, 110 Wheeling St., and William Prince erect \$60,000, brick, steel and concrete building, west side of South Side Bridge; 3 stories above bridge level and 3 basement floors; basement rooms for dance hall, lodge room, etc.; bridge level floor for store, second for offices and apartments on third; Walter Eliason, Archt. and Contr., 1115 Field St.

Schools

Ala., Auburn—Sigma Nu Fraternity let contract to C. A. Fulghum, Pensacola, Fla., at \$30,000 for 3-story, brick veneer, fraternity house at Alabama Polytechnic Institute; composition roof, concrete foundation, rift pine and oak floors, hollow tile; Service Co. Inc., 1522 First Ave., Columbus, Ga., heating and plumbing; Watson Electric Co., electric work; Warren, Knight & Davis, Archts., Empire Bldg., Birmingham.*

Ark., Little Rock—Little Rock Special School District, 900 Louisiana St., let contract to Stewart & McGehee Construction Co., Kahn Bldg., for \$142,000, 3-story, fireproof elementary school; tar and gravel roof, reinforced concrete foundation, wood floors; Pettit-Galloway Co., 114 E. Seventh St., heating; Arkansas Electric Co., 316 Louisiana St., electric work; John T. Stansbury Co., plumbing; Mann & Stern, A. O. U. W. Bldg.; Wittenberg & Deloney, Southern Trust Bldg., and J. P. Almand, Boyle Trust Bldg., Asso. Archts.*

D. C., Washington—District Commissioners let contract to M. B. Casey & Co., at \$29,049, for repairs to heating and electrical systems of Armstrong High School.

D. C., Washington—District Commissioners let contract to A. H. Rogers at \$49,000 for repairs to plumbing, electrical and heating systems of Western High School.*

Fla., Center Hill—Sumter County Board of Public Instruction, W. T. Eddins, Supt., Bushnell, let contract to Martin & Borland, Sarasota, at \$25,190 for 87x138 ft., Spanish type High School building; H. S. Minshall, plumbing and electrical work, \$1190; George MacKay, Archt., Ocala.*

Fla., Eustis—See Fla., Leesburg

Fla., Leesburg—Lake County Board of Public Instruction, W. G. Ross, Chmn., Tavares, let contract to M. C. Watson Co. at \$34,800 for 2-story, brick, 54x100 ft. school building; wood and composition floors, Barrett roof, concrete foundation, metal ceilings, interior tile, ventilators, steel sash and trim; Leesburg Plumbing Co., oil burning equipment and plumbing at \$20,393; let contract to C. Z. Osborne at \$71,480 for grade school at Eustis; steel sash, tile floors, oil burning equipment, Barrett roof; H. W. Urouhart, heating and plumbing at \$11,390; Peninsular Electric Co., electric work at \$2529; Alan J. MacDonald, Archt., Eustis.*

Fla., Sarasota—T. A. Monk, Contr. for Northside and Southside Elementary schools at \$153,800, let following sub-contracts: plumbing, H. S. Bonnell; sand, gravel and lumber, Shepard-McGowan Lumber Co.; electric work not let.*

Ky., Elkhorn City—Pike County Board of Education, Pikesville, let contract to Williamson Tri-State Construction Co., Williamson, W. Va., for \$36,000 High School building.

Mo., Concordia—St. Paul's College Board of Control started work on \$40,000 gymnasium.

Mo., Doniphan—School Board let contract to M. J. Laubis, Poplar Bluff, for High School gymnasium; \$20,000 bonds voted.*

Mo., St. Louis—Congregation of Resurrection, 3689 West Pine St. let contract to Frein M. & C. Co., 3803 Forest Park, for \$40,000, 3-story, 26x92 ft., brick dormitory, 3689 W. Pine St.; composition roof, hot water heat.

Mo., St. Louis—J. Glennon, 4500 Lindell, let contract to Gillespie & Daly, 722 Chestnut St., for \$60,000, 55x90 ft. school addition; H. P. Hess, Archt., Page and Taylor Sts.

Mo., St. Louis—St. Louis University, Grand and Pine St., alter 4-story dormitory at 223 N. Grand; \$15,000; Widmer Engineering Co., Archt. and Contr., 612 Laclede Gas Bldg.

N. C., Raleigh—St. Augustine's School, Millburn Rd., let contract to H. B. Satterfield, Groveland Ave., for \$28,000 women's building.

Okla., Ada—State Board of Public Affairs, J. E. O'Neil, Sec., let contract to Campbell & Price, 603½ W. Main St., both Oklahoma City, at \$121,459 for classroom building at East Central State Teachers' College.*

Okla., Francis—Board of Education, T. E. Miller, Pres., let contract to Stanley Carmen, Ardmore, at \$26,667, for 1-story, brick, 147x93 ft. school building; contain 9 classrooms, library, office and combined auditorium and gymnasium; Albert S. Ross, Archt., Ada.*

Okla., Norman—Alpha Chi Omega Sorority of University of Oklahoma let contract to Kreipke-Shaffer Construction Co., Herske Bldg., Oklahoma City, for \$40,000, 2-story, 62x41 ft. sorority house; Moore & Smith, Archts., Oklahoma City.*

Okla., Rocky—Board of Education, care Charles Hart, Clerk, let contract to Thompson Construction Co., Granite, at \$17,000, for brick school building; concrete foundation, asbestos roof, wood and concrete floors, steam heat, metal ceilings.*

Okla., Seiling—Joint Consolidated School District No. 8, Dewey County, A. M. Robbins, Clerk, let contract to Morris Waldrup at \$31,340 for 1-story, 173x115 ft., brick, stone and reinforced concrete school building; composition roof, metal ceilings, steel sash, metal trim, steam heat.*

Okla., Watonga—School Board let contract to D. T. Wilson, Hinton, for \$35,000, 8-classroom and auditorium grade school building; let contract June 15 for \$5000 addition to High School.

S. C., Langley—Aiken County Board of Education, Aiken, let contract to Howell Construction Co., Marion Bldg., Augusta, Ga., at \$25,487 for 1-story, hollow tile and stucco High School building; 8 classrooms, each 20x32 ft.; awarded contract for 8-room addition to North Augusta school at \$16,090; also low bidder for erection of 12-classroom, 1-story, hollow tile and stucco school at Windsor at \$28,017; W. W. Simmons & Sons, Archts., Augusta.*

Tenn., Kingsport—Board of Mayor and Aldermen let contract to Roehl & Gervin, Knoxville, at \$135,702, for erecting High School building; concrete foundation, brick walls, wood and concrete floors, cement tile roof, cast stone trim; plumbing and heating, J. H. Watkins, at \$29,480; electrical installation, The Warner Service Co., Knoxville, \$2808; roofing, Watauga Cement Products Corp., Johnson City, \$8225; Dryden, Mackenzie & Brady, Archts., 558 Main St.*

Tenn., Memphis—Jones & Furbringer, Archts., let contract to W. T. Hudson, 63 S. Third St., for \$50,000, 1-story and basement, English type Miss Hutchinson's School, Union Ave. and Tucker St.

Tex., Austin—School Board, Dr. George N. Decherd, Pres., let contract to Brydson Lumber Co. for additions to Mathews, Metz and Winn schools; H. F. Kuehne, Archt., Littlefield Bldg.*

Tex., Brownsville—El Jardin District Board of Education let contract to H. J. Hansen & Son, 1031 W. Magnolia Ave., San Antonio, at \$72,500 for 1-story, 14-room, brick and hollow tile, Spanish type school building; W. H. Putegnat Co., plumbing at \$2277; City Electric Shop, wiring at \$711.80; Elwing & Mulhausen, Archts., Harlingen.*

Tex., Corpus Christi—Corpus Christi Independent School District Board of Trustees let contract to J. H. & F. H. Wagner, for new brick and concrete foundation for Edward Furman School; John M. Marriott, Archt., First Natl. Bank Bldg., San Antonio.*

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Tex., Houston—Town of West University Place, H. B. Schlesinger, Mayor, let contract to C. J. Frankel at \$44,939 for school building; The Warren Co., 1214 McKinney St., heating at \$3941; Barber Plumbing Co., 906 San Jacinto St., plumbing at \$1500; Jacobs Brothers, electrical work at \$875.

Tex., Hull—Board of Trustees Hull Independent School District let contract to McDaniel & Hartford, Beaumont, for High School buildings at Daisetta and Hull at \$136,132 and \$44,820; Daisetta School—semi-fireproof, hollow tile and stucco, 3 stories, Briley Plumbing Co., 428 Fort Worth Ave., Port Arthur, plumbing at \$14,317; Neches Electric Co., 259 Crockett St., Beaumont, electric work at \$2720; Hull School—hollow tile and stucco, 1 story, semi-fireproof, Briley Plumbing Co., plumbing at \$6890; E. B. Hammell, 2223 North St., Beaumont, electrical work at \$1220; Livesay & Wiedemann, Archts., 607 San Jacinto Life Bldg., Beaumont.*

Stores

Ark., Conway—S. G. Smith let contract to J. R. Piercey and W. L. Banister for remodeling brick building, 309 N. Front St.; extend 31 ft., new front, tile floor and interior decorations.

Ark., Little Rock—August Kahler, 2019 Izard St., has contract for \$13,000, 2-story store and office building, 307-11 W. Sixth St.

Fla., Fort Pierce—C. H. Peacock let contract for 6-story building, N. E. Fourth St and Avenue A.

Fla., Goulds—W. H. Cauley started work on concrete block and stucco addition to store building.

Fla., Lake Wales—Couch Brothers, Bartow, let contract to Kirch & Pendleton for remodeling building, Park Ave.

Fla., Lake Wales—Jesse T. Rhodes let contract to Jesse H. Shelton for \$100,000, 100x81 ft. arcade building, Stuart Ave., contain 17 rooms for stores and offices; foundation capable of supporting 5 or 6 stories.

Fla., Lake Worth—D. W. Boydston let contract to Mr. Johnson for \$50,000, 2-story, 75x75 ft., tile and stucco, Spanish design store and office building; William Manly King and Kenneth M. Campbell, Asso. Archts., West Palm Beach.*

Fla., Jacksonville—John Hik purchased property on W. Adams St., let contract to O. P. Woodcock, Duval Building, for 2-story, brick store and apartment building.

Fla., Miami—A. F. Dulbs erect \$30,000, 4-story and 15-apartment building, Michigan Ave.; J. C. Gault, Archt., Real Estate Bldg.; J. L. Denman, Contr., Columbia Bldg.

Fla., Sarasota—Dillinger & Prime let contract to T. H. Crisp for 2-story, 50x100 ft. building, Sixth St.; 2 stores and 4 apartments.

Fla., St. Petersburg—Jack Taylor, Pasa-

dena, let contract to George A. Fuller Co., P. O. Box 326, for \$200,000, concrete frame, 100x160 ft. arcade building; composition and tile roof, concrete and wood floors, concrete foundation, hollow tile, ventilators, wire glass; H. P. Foley & Co., 2020 I St. N. W., Washington, D. C., electric work; Alexander Orr, Jr., 45 N. W. Third St., Miami, plumbing; Klehnel & Elliott, Archts., Central Arcade, Miami and St. Petersburg.*

Fla., St. Petersburg—Michael D. Kaydoun, 8705 Fort Hamilton Ave., New York, let contract to Charles DuBois, 340 Fourth St. S., for \$28,000, 1-story, 5-story building, Fourth St.; purchased lot on Beach Drive, reported contemplates erecting hotel in future.

Fla., West Palm Beach—Miles H. and Gus Johnson erect 2-story building, Dixie Highway and 18th St., 5 stores and 10 apartments; A. E. Miller, London, England, and Palm Beach, is Archt.; H. L. Reynolds Co., Inc., Contrs.

Ga., Atlanta—Stephen Philibosian, Inc., 272-4-6 Peachtree St., erecting building on Peachtree St. adjoining Georgian Terrace Hotel; Pringle & Smith, Archts., Atlanta Trust Co. Bldg.

La., New Orleans—E. W. Ullrich Glass Co., Inc., 808 Baronne St., has contract for alterations and new store fronts to buildings, 1702-4-6-8 Canal St., for N. G. Carbajal, 437 S. Solomon St.

Md., Baltimore—L. A. Turvin erect \$20,000, 3-story, brick, 26x80 ft. addition, 116-8 W. Lexington St.; slag roof, steam heat; Consolidated Engineering Co., Contrs., 19 W. Franklin St.; Smith & May, Archts., Calvert Bldg.

Md., Frostburg—Hitchins Brothers Co. let contract to Hazelwood & Clauson, Cumberland, for \$50,000, 2-story, brick and steel, 52x123 ft. department store building, E. Union St.*

Miss., Greenville—Leyser & Co. let contract to Estes, Williams & Ragsdale Co., Memphis, Tenn., for 2-story, 50x175 ft., reinforced concrete, fireproof store building; E. H. Behles & Co., Archts., Memphis; H. W. Lathrop, Asso. Archt., Greenville.

Mo., St. Louis—J. Burkart, Laclede Hotel, let contract to A. Winkel & Clauson, 1910 N. Leffingwell, for \$17,000, 2-story, 47x70 ft., brick store and dwelling, 5523-5-7-9 S. Grand St.; E. Preisler, Archt., Title Guarantee Bldg.

Mo., St. Louis—Burdau Realty Co., 801 Chestnut St., erect \$30,000, 2-story, brick, 50x150 ft. stores, 1208-12 Washington St.; concrete roof, steam heat; J. T. Craven Engineering Co., Archts., 900 Century Bldg.; owner builds.

Mo., Webster Groves (Ind. Br. St. Louis)—L. B. Goldberg let contract to L. C. Hosack, Wellston, Mo., for \$15,000, 100x55 ft. tile stucco store building, E. Big Bend Road.

Okla., Holdenville—Thomas Benson let con-

tract to W. H. Turner, Miami, at \$56,000, for 2-story, 82x140 ft., brick and reinforced concrete business building; heating, plumbing and wiring in general contract; composition roof, concrete floors, reinforced and structural steel, hardwood finish, steam heat, metal ceilings, plate glass, steel sash and terra cotta; Hawk & Parr, Archts., Cotton Exchange Bldg., Oklahoma City.*

Okla., Blackwell—E. W. Rowe and Charles Coffelt extending buildings 40 ft. and adding story; occupied by City Drug Store and Ideal Grocery.

S. C., Greenville—Greenville Hotel Co. let contract to Potter & Shackelford, Gallivan Bldg., for \$15,000, 64x60 ft. storeroom, N. Main St.

Tex., El Paso—W. C. Porter let contract to H. T. Ponsford & Son, 914 E. Missouri St., for \$23,000, 1-story, fireproof store building, 314-6 E. San Antonio St.

Tex., Waco—Ben C. Richards, 919 S. 8th St., let contract to Homer Ainsworth for three brick business buildings, 11th and Austin Sts.

Theaters

Tex., Abilene—C. C. Fulwiler erecting \$28,000, 50x140 ft., 2-story, brick and concrete motion picture theater; tar and gravel roof, cement and wood floors.

Va., Waynesboro—Col. Max Patterson, C. C. and Francis Loth let contract to J. W. Atkinson & Co., Lyric Building, Richmond, for \$35,000, structural steel and brick, 40x135 ft. theater building, Main St.; Colonial front, 21x42 ft. stage, heating and lighting systems.

Warehouses

Fla., Jacksonville—N. G. Wade Investment Co., Atlantic Natl. Bank Bldg., let contract to N. E. Farris, 2304 Silver St., for \$100,000, 2-story, brick and concrete warehouse, Blum St.*

Fla., St. Petersburg—Bayboro Storage & Warehouse Co. erect \$150,000, 140x160 ft., 4-story, reinforced concrete, fireproof warehouse, Second St. and 11th Ave.; Parsons, Klapp, Brinckerhoff & Douglas, Archts. and Contrs.*

Fla., Tampa—G. W. Hessler, Inc., West Bldg., Jacksonville, has contract for erection of 2 warehouses and other improvements on Mallory-Gulf Terminals; \$150,000, 160x70 ft. each.

Mo., St. Louis—Kroger Grocery & Baking Co., 3855 Vista St., let contract to J. H. Bright Contracting & Building Co., 1823 Arcade, for \$60,000, 150x250 ft., brick addition to warehouse, 3835 Vista St.; E. H. Neumann, Archt., 3816 Shaw St.

Va., Danville—Danville Warehouse Co., Inc., let contract to Anderson-Hunter Construction Co., for addition to 3 warehouses; \$20,000.

MACHINERY, PROPOSALS AND SUPPLIES WANTED

Aluminum Boxes.—The Letter Shop, Inc., Robinson and Second Sts., Oklahoma City, Okla.—Wants data and prices on aluminum boxes with screw tops, to hold about 4 oz.

Aluminum Ware.—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids June 13 for aluminum ware; prices f. o. b. point of shipment.

Asbestos Roofing.—U. S. Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids June 15 to furnish 1000 rolls asbestos roofing, green slate surfaced; delivery Parris Island, S. C., Sch. 669.

Air Tank.—Hackley Morrison Co. (Mchy. Dealer) 1708 Lewis St., Richmond, Va.—Wants one air tank, 200 lb. pressure, approximately 48x96-in., state age, condition, price and photograph.

Aprons (Cooks).—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids June 17 for 2500 cooks' aprons; prices f. o. b. point of shipment.

Bake Ovens.—U. S. Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids June 15 to furnish one heavy duty bake oven; delivery Hampton Roads, Va. Sch. 668.

Bascule Span Superstructure.—State Highway Dept., Montgomery, Ala. See Construction News—Bridges, Culverts, Viaducts.

Bascule Bridge Span Machinery.—State Highway Dept., Montgomery, Ala. See Construction News—Bridges, Culverts, Viaducts.

Boiler.—Granbury Cotton Oil Co., Granbury, Tex.—Wants one 125 h.p. return tubular boiler with stack, shaker grates, full

flush front and all necessary fittings; second-hand.

Boiler.—Mills Equipment Corp., Chattanooga, Tenn.—Wants one 60 h.p. boiler on skids, with stack about 20 ft.

Boiler Installation.—Bureau of Yards and Docks, Navy Dept., Washington, D. C.—Receives bids June 17 for brick setting for 500-h.p. water tube boiler, mechanical side-feed stoker and chimney foundations, alterations to smoke flue and installation of soot blower at Marine Barracks, Parris Island, S. C.

Boiler.—Hackley Morrison Co., Inc. (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants 250-h.p. water tube boiler, equipped with super heater; used equipment; state condition.

Bottling Machinery.—Crystal Ice, Water & Fuel Co., J. A. Campbell, Pres., Murfreesboro, N. C.—Wants prices on soda water bottling machinery.

Breaker.—L. J. Breed Equipment Co., 824 James Bldg., Chattanooga, Tenn.—Wants one Bradford breaker, 7x14.

Bridge.—Louisiana Highway Comm., Baton Rouge, La. See Construction News—Bridges, Culverts, Viaducts.

Bridge.—State Highway Comm., Montgomery, Ala. See Construction News—Bridges, Culverts, Viaducts.

Bridge.—Louisiana Highway Comm., Baton Rouge, La.—See Construction News—Bridges, Culverts, Viaducts.

Brushes.—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids

June 19 for 1008 deck scrubbing brushes; prices f. o. b. point of shipment.

Brushes, etc.—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids June 19 for 1008 hair and fibre floor brushes and 720 handles; Fuller Brush Co.'s No. 0066 or equal; prices f. o. b. point of shipment.

Bucket.—Mills Equipment Corp., Chattanooga, Tenn.—Wants one-yard orange peel bucket.

Buttons.—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids June 17 for 11,588 doz. white, fresh water pearl buttons in various sizes; prices f. o. b. point of shipment.

Cars.—Mills Equipment Corp., Chattanooga, Tenn.—Wants twenty-four 2-yd., V-shape, all steel dump cars and twelve 12-yd. dump cars.

Cars (Dump).—Keystone Equipment Co., Room 330 Arcade Bldg., 1947 Broadway, New York.—Wants twenty 36-in. gauge and standard gauge, steel frame, dump cars; second-hand.

Commissary Supplies.—U. S. Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids June 16 to furnish and deliver commissary supplies; Sch. 663.

Concrete Work.—Office Contracting Quartermaster, Room 2236 Munitions Bldg., Washington, D. C.—Receives bids June 16 for concrete flying line, runways and aprons at Bolling Field, D. C.

Crane.—Mills Equipment Corp., Chatta-

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

nooga, Tenn.—Wants locomotive crane with long boom.

Crane.—City of Vero Beach, Fla., H. G. Redstone, City Clerk.—Receives bids June 18 for 5-ton overhead electric crane.

Crystallizers.—Hackley Morrison Co. (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants two enameled crystallizers, 5 to 6 ft. diam., $\frac{1}{2}$ to 6 ft. high and hemispherical shape bottom, or approximately so., bottom outlet 3 to 6 in.

Cranes.—Keystone Equipment Co., Room 330, Arcade Bldg., 1947 Broadway, New York City.—Wants two locomotive cranes 15 to 25 tons, late type; second-hand.

Crane.—U. S. Engineer Office, Florence, Ala.—Receives bids July 20 to furnish and erect Gantry crane on spillway section, Wilson dam.

Derrick.—Mills Equipment Corp., Chattanooga, Tenn.—Wants one stiff leg derrick with 40-ft. boom and bull wheel and one stiff leg derrick with long boom fitted with bucket to unload.

Disinfectors.—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids June 25 for two steam disinfecting chambers; three steam portable disinfectors, cylindrical type and one steam portable disinfectors rectangular type; prices f. o. b. point of shipment.

Dredge.—City Comsn., Sanford, Fla.—Receives bids June 15 to purchase 10-in. suction dredge or larger; delivered, ready for operation; W. B. Williams, City Mgr.

Dredging.—Louisiana Highway Comsn., Raymond Bldg., Baton Rouge, La.—Receives bids June 25 for dredging fire protection canal; 77,856 cu. yds. excavation; W. B. Robert, State Highway Engr.

Edger.—Hackley Morrison Co. (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants one No. 11 American planing mill gang edger, used, state condition, etc.

Electric Light Fixtures.—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids June 16 for 325 electric light fixtures; 150 wall plate flanges; prices f. o. b. point of shipment.

Electric Toasters.—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids June 16 for two 16-slice, oven type electric toasters; prices f. o. b. point of shipment.

Engine.—Granbury Cotton Oil Co., Granbury, Tex.—Wants one 225 h.p. oil engine and one 100 h.p. crude oil engine; second-hand.

Engines.—Mills Equipment Corp., Chattanooga, Tenn.—Wants 20 h.p. slide valve engine and one capstan with engine.

Excavating Machine.—Wilson-Hock Co. (Mchy. Dealer), City Point, Va.—Wants second-hand gasoline power excavating machine suitable for ditching, loading sand, etc.

Exhauster Fan.—Hackley Morrison Co. (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants exhauster fan with casing, 40-in. diam. suction and discharge 14-in.

Fencing (Galvanized Iron).—City of Clinton, S. C., J. F. Jacobs, Mayor.—Wants galvanized iron fencing for City Cemetery.

Folders (Paper).—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids June 15 for 2100 folders, for sheets size 11x8 $\frac{1}{2}$ -in.; prices f. o. b. point of shipment.

Folding Machine.—Penn Handkerchief Co., Madison, N. C.—Wants data and price on machine to fold handkerchief and place in glassine envelope or paste board carton.

Furniture (Office).—P. C. Painter, City Mgr., Greensboro, N. C.—Receives bids June 16 to supply furnishings for court room, council chamber and executive offices, including four matched office suits; judge's chair, table and chairs, etc.

Generator Set.—R. S. Armstrong & Bro. Co., 676 Marietta St., Atlanta, Ga.—Wants 150 kw., 3 phase, 60 cycle, 2300 volt, electric generator direct connected to suitable steam engine.

Generating Set.—City of Vero Beach, Fla., H. G. Redstone, City Clerk.—Receives bids June 18 for 750 h.p. Diesel engine generator and switchboard; also for 5-ton overhead electric crane, etc. Carter & Damerow, Engrs.

Grading.—Wake County, Raleigh, N. C.—See Construction News—Road and Street Construction.

Gravel.—Louisiana Highway Comsn., Raymond Bldg., Baton Rouge, La.—Receives bids July 2 to furnish gravel for surfacing 7.75 mi. in Ouachita Parish.

Gravel.—Louisiana Highway Comsn., Rey-

mond Bldg., Baton Rouge, La.—Receives bids July 2 to furnish gravel for surfacing 4.17 mi. Orleans & Jefferson Parishes; plans on file; W. B. Robert, State Highway Engr.

Heating System, etc.—Dr. Robert H. Wright, Pres., East Carolina Teachers College, Greenville, N. C.—Receives bids June 16 for heating and plumbing installation in Campus Building to be erected, including piping, valves and fittings, radiators, pipe covering, etc.; plans on file or with H. A. Underwood Co., 916 Commercial Bank Bldg., Raleigh.

Hoist.—Mills Equipment Corp., Chattanooga, Tenn.—Wants three drum hoist without boiler, with swinger engine.

Ice Plant Machinery.—O. L. Wright, Pres., Missouri Ice Co., Shelbyville, Mo.—Wants data and prices on raw water equipment, water softener, motor or oil engine drive.

Incinerator.—City of High Point, N. C., R. L. Pickett, Mgr.—Receives bids June 15 to furnish complete, incinerator for 30,000 population.

Kitchen Supplies.—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids June 19 for kitchen supplies, including knives, pans, spoons, slaw cutters, etc.; prices f. o. b. point of shipment.

Laundry Equipment.—M. Whit Smith, 318 Elm St., Tifton, Ga.—Wants prices on machinery for steam laundry plant.

Locomotive.—Mathews-Curtis Co., Clifton Forge, Va.—Wants 3-ft. gauge gasoline locomotive; good second-hand equipment acceptable.

Locomotive.—W. M. Smith & Co., First Ave., Birmingham, Ala.—Wants one 60 or 70 ton Shay gear locomotive, standard gauge.

Lumber.—John M. Murch, Galveston County Auditor, Galveston, Tex.—Receives bids June 16 for one car of long leaf yellow pine, approximately 18,000 ft. B. M.; also 18,000 ft. creosoted lumber; delivery f. o. b. cars Dickinson, Tex.

Milling Machine.—Hackley Morrison Co. (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants one Universal milling machine; state condition, age, prices, etc.

Mining Machinery.—T. C. Baker, Purcellville, Va.—Wants machinery to develop tale and soapstone.

Mining Machinery.—Polk County Chert Co., E. Darden Borders, Treas., Cedartown, Ga.—Wants machinery for excavating, moving, screening and crushing chert.

Miscellaneous Supplies.—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids June 12 for following: One complete metabolism apparatus, Sanborn Graphic or equal; 12 instrument sterilizers; 12 rubber surface air mattresses; clinical camera outfit; 750 white coats size 44 and 300 size 46; prices f. o. b. point of shipment.

Miscellaneous Supplies.—Panama Canal, A. L. Flint, General Purchasing Officer, Washington, D. C.—Receives bids June 19 for motor trucks, lawn mowers; metal cabinets; paint drums; cans; cable wire; battery jars; condensers; pull boxes; spark plugs; grease extractors; tires; tubes; kerosene; turpentine and substitutes; sperm oil; alcohol; soda ash; blue and brown print paper, etc. Blank forms and information (Circular 1675) on application to office of Panama Canal; Asst. Purchasing Agents at New York, New Orleans, Port Mason, San Francisco, Cal., also from U. S. Engineers throughout country.

Motor Truck Chassis.—P. C. Painter, City Engr., Greensboro, N. C.—Receives bids June 16 for one motor truck chassis of 2-ton capacity, equipped with cab and solid tires.

Mower (Lawn).—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids June 16 for two power lawn mowers; prefer manufacturers own make; give detailed specifications; prices f. o. b. point of shipment.

Nut Cracking Machinery, etc.—Pruitt Produce Co., Box 794, Savannah, Ga.—Wants prices on machinery to crack and grade pecans.

Painting.—Board of Awards, F. A. Dolfield, Register, Baltimore, Md.—Receives bids June 17 for interior painting at No. 23 school, Guilford Ave. and Lanvale St.; C. H. Osborne, Inspector of Buildings.

Paraffin Oil.—Bureau of Supplies and Accounts, Navy Dept., Washington, D. C.—Receives bids June 16 to deliver paraffin oil for Navy Yard, Washington.

Paving.—City of Joplin, Mo. See Construction News—Road and Street Construction.

Paving.—City of Fairfield, Ala.—See Con-

struction News—Road and Street Construction.

Pipe (Sewer).—Arkell & Douglass, Inc., 73 Pearl St., New York City.—Wants data and prices on Cinch sewer pipe; correspond with manufacturers.

Pipe Machines.—Wilson-Hock Co. (Mchy. Dealer), City Point, Va.—Wants two motor driven pipe machines, one for pipe cutting and threading up to 2 in. and one for pipe cutting and threading from 2 to 8 in.

Pipe.—Keystone Equipment Co., Room 330 Arcade Bldg., 1947 Broadway, New York.—Wants 4 to 6 in. wrought iron or steel pipe; second-hand.

Plumbing.—See Heating System, Etc.

Planer and Matcher.—Hackley Morrison Co., Inc. (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants planer and matcher, 24x6-in., four side, used equipment; state condition.

Pots (Fireproof China).—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids June 19 for 270 doz. individual, brown, vitrified fireproof china pots, capacity 10 oz.; prices f. o. b. point of shipment.

Power Hack Saw.—U. S. Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids June 17 to furnish one power hack saw, belt driven; delivery Parris Island, S. C.; Sch. 673.

Power Plant Equipment.—Bureau of Yards and Docks, Navy Dept., Washington, D. C.—Receives bids June 22 for 625 k.v.-a. turbo-alternator with exciter, surface condenser, one turbine driven centrifugal pump, ejector and switchboard complete with all electrical apparatus, at Marine Barracks, Parris Island, S. C.

Power Tree Sprayer.—Board of Awards, F. A. Dolfield, Register, Baltimore, Md.—Receives bids June 17 for power tree sprayer; J. V. Kelly, Sec. Board of Park Comms.

Pump (Sand).—Tarboro Building Supply Co., Inc., Tarboro, N. C.—Wants one heavy duty belt driven sand pump, either 6 or 8-in., good used condition; give full particulars, price, delivery date, location, etc.

Radial Drill.—Hackley Morrison Co. (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants one 4-in. radial drill.

Ready-Cut Houses.—W. F. Harper, care of Harper Hardware Co., Lancaster, S. C.—Wants data and prices on ready made houses of all kinds; correspond with manufacturers.

Ready-Cut Houses.—Max Britton, Lancaster, S. C.—Wants data and prices on ready-made houses, correspond with manufacturers.

Road.—Wichita County, Wichita Falls, Tex. See Construction News—Road and Street Construction.

Road.—State Highway Comn., Montgomery, Ala. See Construction News—Road and Street Construction.

Road.—Fayette County, Fayetteville, N. C. See Construction News—Road and Street Construction.

Road.—State Highway Comsn., Frankfort, Ky., will improve 9 roads. See Construction News—Road and Street Construction.

Road.—State Highway Comn., Oklahoma City, Okla., will build 16 roads. See Construction News—Road and Street Construction.

Road.—Louisiana Highway Comn., Baton Rouge, La. See Construction News—Road and Street Construction.

Road.—Louisiana Highway Comn., Baton Rouge, La. See Construction News—Road and Street Construction.

Road Embankment.—Louisiana Highway Comn., Baton Rouge, La. See Construction News—Road and Street Construction.

Road.—Campbell County, Rustburg, Va.—See Construction News—Road and Street Construction.

Road.—State Highway Comn., Montgomery, Ala. See Construction News—Road and Street Construction.

Road Maintenance Equipment.—State Board of Control, R. B. Walthall, Austin, Tex.—Receives bids June 25 for following highway maintenance equipment: 34 one-man power grader; 8 street sweepers; twenty five 6, 7 or 8-ft. graders equipped with 4 horse hitch, complete with eveners; neck yokes and tongues, 6 truck wheel scales.

Rubber Calender.—Hackley Morrison Co., Inc. (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants 24-in. rubber calender for rubberizing fabric.

Scales.—Granbury Cotton Oil Co., Granbury, Tex.—Wants one 100-ton x 50 ft. railroad track scale complete with all necessary steel for setting, also with dead rail and

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fittings for same; one 8x22 ft. wagon scale, 10-ton capacity, with full steel setting; second-hand.

School Equipment, etc.—Board of Awards, F. A. Dolfield, Register, Baltimore, Md.—Receives bids June 17 to furnish machinery, equipment, tools and supplies for Dept. of Education; John H. Roche, Sec. Board of School Comms.

Sewer Material.—City of Clinton, S. C., J. F. Jacobs, Mayor—Wants sanitary sewer material for sewer extension.

Sewer Construction.—City of Chapel Hill, N. C., W. S. Roberson, Mayor.—Receives bids June 24 for constructing sewers; including intercepting outfall, sanitary sewer and disposal plant, screen chamber, etc.; Wm. C. Olsen, Const. Engr., Masonic Temple Bldg., Raleigh.

Sewer Construction.—Board of Public Works, Kansas City, Mo.—Receives bids June 25 for construction of Gooseneck Sewer, combined storm and sanitary system; reinforced concrete; Black & Veatch and Edward M. Stayton, Const. and Supervising Engrs.

Sewer Construction.—City of Louisville, Ky., Matt H. Crawford, Chrmn. Comms. of Sewerage.—Receives bids June 30 for construction of sewers in open trench; approximate quantities, 490 ft. of 45-in., 500 ft. of 42-in., 270 ft. of 36-in. circular sewer; 225 ft. of 24-in., 725 ft. of 18-in., 1600 ft. of 15-in. vitrified pipe sewer; outlet structure, regulator chamber; J. B. F. Breed, Ch. Engr.

Shaper.—Hackley Morrison Co. (Mch. Dealer), 1708 Lewis St., Richmond, Va.—Wants one 20-in. shaper; state age, condition, price and photograph.

Shear.—Decatur Cornice & Roofing Co., Inc., Ave. A, Albany, Ala.—Wants 6-ft. square shear with capacity of 10-gauge and lighter, arranged for either belt drive or direct motor connection.

Shear.—Hackley Morrison Co. (Mch. Dealer), 1708 Lewis St., Richmond, Va.—Wants motor driven, second-hand shear, lever or vertical type for shearing 4-in. maximum diam. round bar, stock cold; sheer to make 12 to 18 cuts per min.

Shovels.—Keystone Equipment Co., Room 330 Arcade Bldg., 1947 Broadway, New York.—Wants three crawler type, traction shovels, $\frac{3}{4}$ to 2-yd. dipper; second-hand.

Sidewalks.—City of Shreveport, La. See Construction News—Road and Street Construction.

Skylights, etc.—Treasury Dept., Supvg. Architects Office., Washington, D. C.—Receives bids June 15 for reconstruction and repairs of skylights and roof of U. S. Post Office, St. Louis, Mo.

Steel Barge.—U. S. Engineer Office, Montgomery, Ala.—Receives bids June 15 for one 80x265-ft. steel barge.

Street Improvement.—City of Huntington, W. Va.—See Construction News—Road and Street Construction.

Street Improvement.—City of Tampa, Fla. See Construction News—Road and Street Construction.

Street Improvement.—Town of Dundee, Fla. See Construction News—Road and Street Construction.

Street Improvement.—Town of Eagle Lake, Fla.—See Construction News—Road and Street Construction.

Street Improvement.—City of Baton Rouge, La. See Construction News—Road and Street Construction.

Street Improvement.—City of Fort Pierce, Fla. See Construction News—Road and Street Construction.

Street Improvement.—City of Marshall, Tex. See Construction News—Road and Street Construction.

Street Improvement.—City of Hyattsville, Md. See Construction News—Road and Street Construction.

Street Improvement.—City of Corinth, Miss. See Construction News—Road and Street Construction.

Street Paving.—Town of Avon Park, Fla. See Construction News—Road and Street Construction.

Street Paving.—City of West Palm Beach, Fla. See Construction News—Road and Street Construction.

Tanks (Storage).—Keystone Equipment Co., Room 330 Arcade Bldg., 1947 Broadway, New York.—Wants horizontal storage tanks, 6000 to 30,000 gal.; second-hand.

Trunk Hardware.—R. L. Riehl Co., Inc., 1520 Olive St., St. Louis, Mo.—Wants trunk hardware.

Warehouse.—E. A. Burrow, County Engr., Brady, Tex.—Wants bids on 200x200-ft., steel warehouse, about 12-ft. wall, roof spans 50 ft., skylights and ventilators.

Water Tanks.—T. W. Minton & Co., Barboursville, Ky.—Wants data and prices on large size water tanks for fire protection; new or second-hand.

Trade Literature

National Ammonia Booklet.

The National Ammonia Co., St. Louis, Mo., have issued a completely revised edition of their sensitive paper booklet which they will distribute free to all refrigeration and ice-making plants. The sensitive paper is described as being very delicate and reliable and it will show the presence of ammonia in minute quantities. Directions governing its use are included.

New Cleveland Drill Catalogue.

The Cleveland Twist Drill Company, Cleveland, Ohio, have just issued their new Catalogue No. 41. Attention is directed to the fact that all high speed drills of this make are now produced by the Cle-Forge process so that the best qualities of both forged and milled drills are merged into one, with none of the disadvantages of either. In this catalogue will be found several new items such as special drills for Bakelite and slate; a new small jobbers' carbon drill set; a spiral fluted taper shank taper bridge reamer in high speed steel; taper shank taper bridge reamer and car reamers, both straight and spiral fluted, in the well-known Mezzo super-carbon steel; a spiral fluted taper pin reamer; three new small sizes of quick-set adjustable reamers for automotive and machine shop use, together with a special set of these three sizes; a new set of spiral fluted taper pin reamers; a complete new section of mechanical data, etc. The book is fully illustrated.

Beauties and Advantages of Gumwood.

"Beautiful American Gumwood; a Superb Native Hardwood for Interior Woodwork and Furniture," is the title of a booklet issued by the Gumwood Service Bureau of the Hardwood Manufacturers Institute, Memphis, Tenn. The booklet is liberally illustrated, some of the pictures showing the wood exactly as it appears when finished, and the evidences of its general utility for the various purposes mentioned are convincingly displayed. Several pictures of interiors finished with this wood are exceedingly attractive and beautiful.

Webster Steam and Heating Folder.

Warren Webster & Company, Camden, N. J., have issued a large illustrated folder showing by means of pictures the elements which go to make up their business, which is that of manufacturing systems of steam heating, feed water heaters and steam specialties. It is claimed that the Webster installations make for comfort, convenience, reliability and economy and that these results are assured. There are systems of this make for all kinds of buildings. The illustrations include the firm's specialties, besides buildings in which their installations have been placed.

New Line of Smith Tilting Mixers.

A late publication issued by the T. L. Smith Company, Milwaukee, Wis., is a broadside in two colors, covering the new line of small tilting mixers developed this year. Four models are shown, viz., the 2½-S (Smith Mascot) with a capacity of 25 to 45 cubic yards daily; the 3½-S half bag tilter with a daily output of 35 to 50 cubic yards; the 5-S one-bag tilter with from 50 to 80 cubic yards per day capacity, and the 7-S one-bag tilter with a daily capacity from 75 to 120 cubic yards. All are fully illustrated and complete specifications are given. Copies will be sent on request addressed to the company.

INDUSTRIAL NEWS OF INTEREST

Items of news about industrial, railroad or financial interests, building operations, construction work, municipal improvements, or the sale of machinery or the letting of contracts in the South or Southwest, are invited from our readers whether they are advertisers, or subscribers or not. We invite information of this character from readers in the North and West about their Southern business operations, as well as from Southern readers. News of value will be published just as readily when from non-advertisers as from advertisers.

Three Big Passenger Ships With Diesel Engines.

There are now being built in British shipyards, says the Bankers Trust Co. of New York, three large motor ships for Trans-Atlantic service, two of them for the Royal Mail Steam Packet Co. and one for the Union-Castle Mail Steamship Co. According to foreign advices received by the Trust Company, the Asturias for the Royal Mail line will be completed this year or early next year. The other ships are the Alcantara for the same line and the Carnarvon Castle for the Union-Castle line. These three ships will, it is stated, be the largest and highest powered passenger ships that are equipped with internal combustion engines. The last mentioned is practically identical in size with the Arundel Castle already in service and there will thus be opportunity to test out and compare fairly the use of Diesel engines with steam turbines with which the Arundel Castle is powered. Each of these ships will be 630 feet long and 72 feet wide. In the two Royal Mail ships electricity will be used almost exclusively for auxiliary purposes. All three vessels are being built by Harland & Wolff.

Road Contractors Equipment to be Sold.

According to a formal announcement appearing elsewhere in this issue J. E. Lane & Co., having retired from the business of contracting, will sell at public auction, June 20 and 22, at Altavista, Va., their entire road building equipment, consisting of road machinery, portable electric plants, wagons, hoisting engines, steam shovel, gasoline engines and pumps, etc., all being in first-class condition and some of it new. The sale will begin at 11 o'clock A. M. each day. W. G. Lane is the auctioneer. Further particulars will be found in the advertisement.

Sale of Navy Surplus to be Held.

According to a formal announcement which appears elsewhere in this issue a sale of navy surplus and surveyed material is to be held at the Navy Yard, Washington, D. C., on June 23, the auction beginning at 10 o'clock A. M. The goods to be disposed of include portable desk lamps, chronometers, and much steel of different kinds, electrical and radio material, hardware, machinery, pipe fittings, etc., motor trucks and motorcycles, clothing, office furniture, etc. Further particulars will be found in the advertisement.

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Auction Sale of Factory and Equipment.

Announcement will be found elsewhere in this issue of the forthcoming auction sale of the plant of the Recording and Computing Machines Co., at Dayton, Ohio, and to take place on June 23, 24 and 25, the sale beginning at 10 o'clock A. M. each day. In addition to the land and the buildings there will be sold a large number of machine tools and equipment, that will be offered in lots, details as to names and quantities being given in the advertisement which contains full particulars, excepting such as is given in the catalogues, copies of which may be had from the auctioneers, Samuel T. Freeman & Co., 1808-10 Chestnut St., Philadelphia; and 80 Federal St., Boston.

Large Shipment of Industrial Track.

An order involving 26 carloads of industrial track, switches, etc., has been shipped by the manufacturers, the Sweet's Steel Co., Williamsport, Pa., to the Macomb County Road Commission, Lansing, Mich., and will be used in building the Nine-Mile Road, the French Claims Road and the Masonic Boulevard in that county. Both ends of each tie are capped or closed to prevent sidewise movement. These ties are of the double corrugated type, weighing $4\frac{1}{2}$ pounds per foot. The track is built of 25-pound rails of 15 foot sections and is of 24-inch gauge. The rails are held together by a special one-piece slip joint and two track bolts for each section.

New Westinghouse Safety Switch.

A new safety switch known as the WK-55 has been introduced by the Westinghouse Electric & Manufacturing Co., East Pittsburgh, Pa., and its design, it is stated, sion. R. H. Atkinson is manager of the provides full safety for the operator and the motor under all conditions. Inside the main door is a smaller door to the fuse compartment, but the latter is interlocked

with the operating handle so that it will not open until the switch is thrown to the "off" position. Besides, even with the door open, none of the live parts are accessible and the switch cannot be thrown "on" while the door is open. Moreover, the outer door can be secured with a padlock. A simple arc-quencher extinguishes the arc when the circuit is opened.

Asphalt Association Opens New Orleans Office.

Bruce Aldrich, formerly Inspector of Asphalts for the Baltimore Paving Commission, and also in charge of the Municipal Laboratory of Baltimore, has recently been appointed branch manager of the Southern district of the Asphalt Association, with headquarters at No. 435 Whitney Central Building, New Orleans. In establishing this additional Southern branch it is the purpose of the Association to co-operate to the fullest possible degree with public officials, engineers and others in the improvement of methods, of product, of deliveries, of inspection and the obtainment by inquiry, research and experiment of data which will be valuable in connection with all classes of work involving the use of asphalt. Those having such problems are invited to consult Mr. Aldrich freely for information and co-operation.

Tompkins Extension Rail Manufacture.

Harold P. Tompkins of Charleston, W. Va., well known as a coal operator and also for his invention of the Tompkins extension rail for use in mines, has concluded arrangements with the Midland Steel Products Co., of Cleveland, Ohio, to manufacture and market that device in the United States, Canada and Mexico. This company is a pressed steel concern and is under the same management as the Otis Steel Co., also at Cleveland, where the newly invented device is going through every stage of manufacture

from the ore to the finished product. As hitherto published, the Tompkins rail, which was recently patented in this and other countries, is used to extend track to the face that is being worked in either coal, asphalt, clay or other mines in which short or temporary track projections are necessary. It is simple in construction and operation, saving both labor and expense.

Manufacturing Plant to be Sold.

The plant of the Bound Brook Engine & Manufacturing Company, located at Bound Brook, N. J., is to be sold at auction on the premises at 10 o'clock A. M., Monday, June 22, according to a formal announcement that appears elsewhere in this issue. The property includes a large one-story factory building of brick with over 52,000 square feet of floor space, a power plant, railroad siding, and four acres of land, machinery and equipment, comprising patterns, drawings, lathes, shapers, traveling cranes, boring machines, tools, etc. Joseph P. Day, 67 Liberty St., New York city, is the auctioneer. Further particulars will be found in the advertisement.

Big Sale of Equipment.

According to a full page announcement which appears elsewhere in this issue there will be sold at auction, beginning at 10 o'clock A. M. June 17, at the shops of the H. Kleinhaus Company, Neville Island (part of Pittsburgh), Pennsylvania, a large amount of railroad and contractors' equipment, comprising steam shovels, ditcher, locomotive cranes, locomotives, cars, spreaders, derricks, hoisting engines, boilers, concrete mixers, buckets, well drill, air compressors, road roller, pile hammer and leads, pumps, snop equipment, etc. etc. John F. Post & Sons are the auctioneers. The sale is the result of discontinuing equipment business. Particulars will be found in the advertisement.

Dade County Sells \$3,935,000 of Bonds.

Charles M. Fisher, Superintendent of Schools of Dade County, Florida, wires the MANUFACTURERS RECORD that the Dade County Board of Public Instruction, Miami, has sold school bond issues as follows: District No. 2, \$3,800,000, at a premium of \$177,042; district No. 4, \$75,000, at a premium of \$825, and district No. 9, \$60,000, at a premium of \$725. The sale of bonds for districts Nos. 3 and 5 has been postponed.

Construction of Power and Light Facilities in Florida—Other Improvements.

Discussing construction activities of companies in Florida associated with the American Power & Light Co., New York, E. B. Lee, statistician of the Electric Bond & Share Co. of New York, identified with the American Power & Light Co., advises the MANUFACTURERS RECORD that work in progress includes the installation of an additional 15,000-kilowatt generating unit in the electric station of the Miami Electric Light & Power Co. A new 12,500-kilowatt steam turbine generating unit with boilers and auxiliaries has recently been installed and put in operation in this plant.

Other work in progress or projected for 1925 includes high-transmission lines to interconnect generating plants and distributing systems at Miami and Miami Beach, with generating plants and distributing systems at Fort Lauderdale, West Palm Beach and Stuart, and the distribution systems at Palm Beach and intervening and adjacent territory. With

the completion of these lines, all plants and transmission and distribution systems from Miami on the south to Stuart on the north, a distance of 120 miles, will be interconnected and operated as a unit.

Additions and improvements to property in many other communities in Florida served by subsidiaries of the American Power & Light Co. will also be undertaken during the year.

Mill Purchase and Facilities to Cost \$600,000.

The Ford Flour Co. of Nashville, Tenn., H. O. Blackwood, president and general manager, advises the MANUFACTURERS RECORD that it has purchased mill A of the Liberty Mills at Nashville and will renovate the plant, installing new machinery where it is necessary and providing elevator space for 350,000 bushels of grain. When the proposed improvements are made, it is expected that the plant will represent an investment of \$600,000.

Contract in August on \$1,500,000 Exchange.

N. W. Nolley, secretary of the Dallas Cotton Exchange, wires the MANUFACTURERS RECORD that Lang & Witchell and Thompson & Swain, both of Dallas, have been retained as architects for the new \$1,500,000 building to be erected for the Exchange, and that construction bids will be received about August 1. The structure will be 100 by 200 feet, 14 stories high. R. L. Dixon is chairman of the building committee.

Coal Carbonization in the South.

A Review by RICHARD WOODS EDMONDS.

"Coal Carbonization"—what does that mean?" the average business man would probably ask if one should hand him a copy of Horace C. Porter's book* by that name. The thought would doubtless flash through his mind that carbon is the principal ingredient of coal anyway, so why should anyone want to carbonize it any further? Or, he might suppose coal carbonization to be an effect of coal combustion on fire-box and boiler, somewhat analogous to the carbonization of internal-combustion engines by gasoline. But turning to the introductory chapter on page 23 he would learn that

"Coal carbonization means, industrially, the making of coal gas, coke and by-products; also, as recently brought much to the fore, 'semi-coke,' a proposed clean, smokeless, general fuel, obtained by carbonizing at moderate temperatures"—a very familiar proposition.

The coke is used chiefly in the blast furnace; the gas, in the steel plants, in a few industrial plants; still, to some extent, for lighting, and for domestic heating and cooking.

The tar, besides its uses as roofing, paving and waterproofing material, in electrodes and in briquettes, yields wood-preserving oils, such as creosote oil, antiseptics, pharmaceuticals, explosives, the intermediates from which the immense dye industry makes its rainbow hues, motor fuels, solvents for rubber and paints, perfumes, and so on *ad infinitum*.

The ammonia, besides its uses in homes and ice-making plants, has immense value in the making of fertilizers.

The oil furnishes fuel for internal combustion and oil-burning steam engines.

The significance of the term "coal carbonization" begins to open out. But its practical interest to the average man becomes more apparent when one reads on page 24:

"Coal carbonization is a process of modifying a crude, raw fuel into better fuels, of extracting valuable by-products—ammonia, light oils and tar—before they are destroyed in the burning; of converting the raw, smoke-producing, inefficiently handled coal into the clean and smokeless gas or coke, efficient in use and in distribution. Rational and scientific methods of meeting the problems of this development, of saving the maximum of values from the raw material, with minimum costs of conversion, are being vigorously applied. They open alluring vistas for scientific research and industrial co-ordination.

"There can be only the question of time in bringing about, by this means, a remarkable revolution in methods of fuel application. The efficient, clean and systematic methods will prevail, and, through the distribution of gas, carbonized fuels and electricity (the latter made in large central stations from coal by improved methods), the ultimate consumer of energy as heat or power will be able to abandon, in a large measure, the direct application of raw coal.

"The ideal to be striven for in coal carbonization is to reduce to such a point the outlay of heat energy and conversion expense in the process, and raise to such a point the yields and values of products, that a margin entirely safe is established under which this fuel-applying method may generally prevail.

"Chimerical it may seem to many, but unquestionably it is within the bounds of possibility that our coal consumption in the course of a generation or two may be reduced 50 per cent or more through the medium of carbonization. On such a scale, in America, could be made thereby 100,000,000 barrels of Diesel engine oil, 20,000,000 barrels of light motor fuel, 2,000,000 tons of sulphate of ammonia—sufficient nitrogenous fertilizer to release the nation from dependence on Chile saltpeter. The possible outgrowth of chemical manufactures from the tars of coal, the old and the new, is a mine of golden opportunities to the research chemist. The field has only been lightly touched."

The South is richly endowed with the natural resources in immense deposits of excellent coking coal, which entitle it to take the lead in the great industry it introduced into this country by the incorporation in Baltimore, in 1819, of the first gas company in the United States; and by reason of

leadership in the basic industry of coal carbonization, it is entitled to establish a lead in the immense, highly profitable, highly specialized and intellectually exacting chemical industries springing directly therefrom.

For the South to convert its raw materials into the finished products is manifestly the only sound and sensible road to the fullest possible degree of prosperity. But by such a course other natural resources of far greater value than her coal will be conserved also.

Southern leaders have of late been greatly troubled over a serious drain of the South's greatest asset—the highly trained graduates of her technical, industrial and other colleges. Given the opportunities for the employment of their trained faculties near home, these expensively trained young Southerners will remain at home to develop their section and grow rich with it. The natural resources are there in abundance. The colleges are annually turning out men capable of developing great industries on these resources as they mature. What seems to be lacking is a full realization on the part of Southern business men of the immense value of expert technical knowledge and of highly expert chemical research.

Chemistry is the science of the transformation of matter. A definition so highly condensed will bear elaboration. If you want to take the sticky black mass that is coal tar and extract from it brilliant and delicate hues with which to dye the costly fabrics worn by women, you must first know the constituent parts of coal tar. Second, you must know how to treat the tar so as to break it down into its constituent parts. Third, you must know how to recombine these same parts with each other and with elements and compounds brought in from other sources in such manner as to secure the bewildering array of colors that can be made from coal tar. Chemistry, pure chemistry, from start to finish. If you want to control and direct the transformations through which the constituent parts of coal tar can be put, you must study the chemistry of coal tar. Perfectly simple, perfectly evident. If you want to hire somebody to control these same transformations, you must look for somebody who has studied the chemistry of coal tar. Yet this does not seem to be as simple as it sounds.

It is simply astounding to find how many men—able, progressive men, too—will grant the first and deny the second, and not even know they are denying it! Only a short time ago the leaders in a Southern industry that faces the possibility of extermination because research outside their industry has found means of producing substitutes for their products, while research has never been vigorously carried on to improve their natural products, met to discuss the situation and see if some means could be found to resuscitate their expiring business. It was research, chemical research, in the hands of competitive industries, unopposed by research in their own hands, that had brought them to their desperate pass. One of their number stood up before the gathering and quoted Andrew W. Mellon, Secretary of the Treasury, as saying: "An industry is made great by the scientists in its service, not by its raw materials or its products," and almost in the same breath he said, "I dare not advocate a research plan with a staff of high-priced chemists who would be hard to manage; I would have more confidence in a keen business organization designed to function with existing agencies for research in pursuit of practical solutions of problems in the order of their importance."

In the vernacular of the day, can you beat it?

Chemical research, ceaseless, aggressive chemical research, is the "open sesame" to the vast treasure house of the South.

The city of Bradenton, Fla., has sold 5½ per cent bonds in the amount of \$783,000 to John Nuveen & Co., Chicago, at a premium of \$67,847 and accrued interest.

*Coal Carbonization, published by the Chemical Catalogue Co., Inc., 19 East 24th street, New York city.

Mud-Sand-Bumps-Jars

*— where other truck tires fail,
Kelly Kats show their stamina*

Up in your purchasing department, all truck tires look pretty good. But what happens when they get into action—in inches deep mud? On mushy, slushy, roads? On jagged stone trails or bumpy, slippery hills?

The chief reason why Kelly Kats are so widely used is their dependable performance under conditions where other truck tires are helpless.

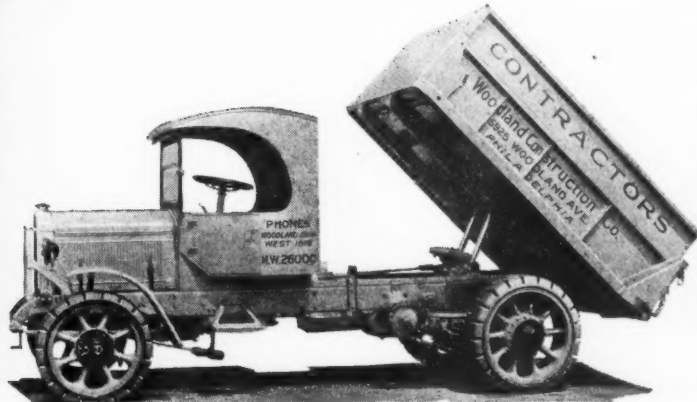
On roads where other truck tires slip and skid and are powerless to budge the load, your Kelly Kats get sure-footed, dependable traction—and usually get it without chains. This helps prevent one of the most frequent excuses for delays in deliveries.

On stretches where other truck tires pass along to chassis and engine the shocks and jars of the road, your Kelly Kats smother most of these bumps, because Kelly's distinctive side vent construction makes the Caterpillar fifty per cent more resilient. This saves you repair bills and lengthens the life of your truck.

**There are no Caterpillar
tires but Kelly Kats**

KELLY-SPRINGFIELD TIRE CO.

250 West 57th Street New York, N. Y.



There are probably more users of Kelly Kats than of any other truck tire in the world. Ask any Kelly Kat user; then you'll become one yourself.

FINANCIAL NEWS

Bond Issues Proposed

Ala., Altoona—School—City votes June 29 on \$8000 bonds. Address City Clk.

Ala., Anniston—School—City voted \$100,000 bonds.

Ala., Gadsden—School-Sewer—City, W. E. Weir, Mayor, will call election July 7 on \$60,000 school, and \$10,000 sewer bonds.

Ala., Montgomery—Alabama Public Service Comm. granted authority Columbus Electric & Power Co., Columbus, Ga., to issue and sell \$2,000,000 5% Series B first and refunding mortgage bonds.*

Ala., Tuscaloosa—School—City Comm. will call election June 15 on \$100,000 5% bonds.

Ark., Blytheville—Arkansas Railroad Comm. granted authority Arkansas-Missouri Power Co., of Blytheville, to sell \$500,000 6½% debentures.

Fla., Arcadia—Municipal Improvement—City voted \$350,000 bonds: \$310,000, sewer and water extension; \$10,000, white way extension; \$30,000, toward city hall and fire station. Address City Clk.*

Fla., Arcadia—Municipal Improvement—City, V. O. Russell, Recorder, receives bids June 23 for \$350,000 5½% \$1000 denom. bonds.

Fla., Bartow—School—Polk County Board of Public Instruction, J. A. Garrard, Chmn., receives bids this week for \$707,000 5½ and 6% Special Tax School Dist. bonds.

Fla., Danla—Municipal Improvement—City voted \$85,000 bonds: \$25,000 city hall and municipal building; \$33,000, water works; \$12,000, fire engine and truck; \$15,000 street lighting system; Henry T. Tubbs, Mayor.*

Fla., Fort Lauderdale—Sewerage, Disposal Plant, Incinerator—City contemplates \$500,000 bond issue; D. L. Campbell, City Health Officer.

Fla., Fort Pierce—Road—St. Lucie County voted \$490,000 bonds. Address County Commrs.*

Fla., Holly Hill—Municipal Improvement—City, J. C. Murphy, Clk., will call election July 1 on \$180,000 bonds; \$110,000 paving and drainage; \$70,000 water works; L. Sherer, Mayor.

Fla., Jacksonville—Road and Bridge—Duval County Commrs. will call election July 7 on \$1,500,000 bonds.

Fla., Panama City—Municipal Improvement—Bond Trustees of City of Panama City, F. M. Nelson, Trustee, receives bids June 23 for \$50,000 5% \$1000 denom. bonds.

Fla., Pensacola—Paving and Sewer—City, Harvey Bayliss, Mayor, plans \$350,000 bond election.*

Fla., Plant City—Water Works—City votes in Aug. on \$60,000 bonds; W. C. Wells, Mayor.

Fla., Punta Gorda—Public Improvement—City Comm., L. E. Robinson, Clk., receives bids June 15 for \$272,000 6% bonds.

Fla., Sebring—Municipal Improvement—City Commrs. will call election in July on \$665,000 bonds: \$45,000 sanitary sewer extension, \$20,000 storm sewer extension, \$170,000 Lake Jackson Blvd., \$300,000 light and water plant extension, \$60,000 street paving, \$70,000 recreation parks and piers.

Fla., Tampa—Improvement—City, Wm. E. Duncan, Clk., contemplates \$1,050,000 bond issue.

Fla., Tampa—Courthouse—Hillsborough County defeated \$1,500,000 bond issue; W. T. Williams, Chmn. County Commrs.*

Md., Upper Marlboro—Lateral Road—Prince Georges County Commrs., John T. Fisher, Clk., receives bids June 16 for \$29,000 4½% \$1000 denom. bonds.

Fla., Wauchula—School—Hardee County Board of Public Instruction, S. B. Hogan, Chmn., receives bids June 22 for \$90,000 6% Zolfo Special Tax School Dist. No. 3 bonds.

Fla., Wauchula—Municipal Improvement—City voted \$208,000 bonds: \$50,000, street paving and improvement; \$8000, extend electric light system; \$150,000, extend water and sewer facilities; defeated \$100,000 city hall bonds. Address City Clerk.

Fla., Wauchula—Municipal Improvement—Hardee County Commrs. receive bids June 15 for \$240,000 6% \$1000 denom. bonds: \$15,000, jail; \$225,000, Special Road and Bridge Dist. No. 2; S. W. Conroy, Clk.

Fla., Wauchula—Road and Bridge—Hardee County Commrs. receive bids June 22 for \$300,000 6% bonds.

Fla., Wauchula—Water Works—City, Board of Bond Trustees, receives bids June 15 for \$208,000 improvement bonds.

Fla., West Palm Beach—Palm Beach County Board of Education contemplates \$175,000 bond election for School Dist. No. 4, including Lake Worth.

Fla., Winter Garden—Street Paving, Sewer—City votes July 1 on \$126,000 bonds. Address City Clk.

Ga., Fitzgerald—Municipal Improvement—City contemplates \$100,000 bond election. Address City Clk.

Ga., Uvalda—School—Uvalda School Dist., H. L. Gibbs, Sec.-Treas., Board of Trustees, receives bids June 15 for \$14,000 6% \$1000 denom. bonds; information on file and from M. H. Williams, Douglas, Ga.

Ky., Ashland—Water Works—Water Works Comm. plans selling \$120,000 bonds; H. L. Carrol, City Clk.; Wm. M. Nicholson, Mayor.

Ky., Eddyville—School—School Board will call election on \$10,000 Eddyville Graded School Dist. bonds.

La., Opelousas—Road—St. Landry Parish Police Jury, Octave Pavy, Pres., receives bids July 6 for \$50,000 6% \$1000 and \$500 bonds.

Miss., Gulfport—Bridge—Harrison County Board of Supvrs. will receive bids soon for bonds.

Miss., Water Valley—Yalobusha County defeated \$368,000 bond issue; W. B. Hunter, County Clk.*

Miss., Woodville—Road—Wilkinson County Board of Supvrs. contemplates \$40,000 bond election.

Mo., Joplin—School—City votes June 24 on \$750,000 bonds. Address Pres. School Board.

Mo., Kansas City—Water Works—City receives bids this week for \$3,000,000 bonds. Address City Clk.

Mo., Kansas City—Refund—City Comptroller, receives bids June 15 for \$5,000,000 Turkey Creek bonds.

Mo., Kansas City—School—City votes June 23 on \$5,000,000 bonds. Address City Clk.

Mo., Oak Grove—School—City voted \$15,000 bonds. Address City Clk.

N. C., Hendersonville—Improvement—City, R. A. Alred, City Clk., receives bids June 15 for \$500,000 5½% bonds.

N. C., Morehead—Street Improvement—Town, W. L. Plint, Clk., receives bids June 22 for \$150,000 6% \$1000 denom. bonds.

N. C., Red Springs—Water and Sewer—Town, Z. V. McMillan, Clk., receives bids June 16 for \$25,000 \$1000 denom. bonds.

N. C., Biltmore—Municipal Improvement—Town, E. G. Ashworth, Clk., contemplates \$45,000 bond election: \$25,000 street improvement; \$5000, electric light; \$15,000, water works.

N. C., Rockingham—School—Richmond County Commrs., receive bids July 6 for \$15,000 6% bonds.

N. C., Wrightsville—Beach, Water and Public Improvement—Town, Geo. E. Kidder, Mayor, receives bids June 18 for \$60,000 5½% \$1000 denom. serial gold bonds: R. H. Northrop, Clk., 124 Princess St., Wilmington, N. C. Lately noted bids June 5.

Okla., Bristow—Water Supply—City will vote soon on bonds. Address City Clk.

Okla., Norman—City voted \$100,000 water works improvements and \$25,000 sewer extension bonds. Address City Clk.*

Tenn., Blountville—Highway—Sullivan County Commrs., receive bids June 22 for \$17,000 5% bonds. Address Jos. A. Caldwell, County Judge, Box 174, Bristol.

Tenn., Erwin—Water—City votes this week on \$200,000 bonds. Address City Clerk.

Tenn., Gainesboro—School—Jackson County Court, G. Lee McGlasson, Clk., receives bids June 29 for \$35,000 5% bonds.

Tenn., Lebanon—Refund—City voted \$75,000 bonds. Address City Clk.

Tenn., Murfreesboro—Road—Rutherford County Commrs. receives bids July 1 for \$85,000 bonds.

Tenn., Nashville—Fair—Davidson County Board of Fair Commrs., Joe S. Boyd, Sec., receives bids this week for \$200,000 5% bonds.

Tenn., North Chattanooga—Sewer Extension—Town, W. S. Beck, Mayor, will call election July 7 on \$100,000 bonds.

Tenn., Robstown—School—City votes in July on \$125,000 bonds. Address City Clk.

Tenn., Tiptonville—City, A. E. Markham, Mayor, receives bids this week for \$12,000 6% coupon bonds.

Tex., Big Sandy—School—City voted \$40,000 bonds. Address Board of Education.*

Tex., Bloomington—School—City voted \$55,000 bonds. Address Pres. School Board.

Tex., Orange—Road—Orange County Commrs. Precinct No. 4 contemplates \$60,000 to \$75,000 bond election. Address County Commrs.

Tex., Port Arthur—Reservoir—City Comm. will call election June 16 on \$400,000 bonds.

Tex., Richmond—Road—Fort Bend County voted \$200,000 bonds; Beasley Dist., Dist. No. 10, \$150,000; Tavenner Dist., Dist. No. 9, \$50,000; O. H. Kendall, County Engr.*

Tex., San Antonio—School—Board of Education will call election in July on \$300,000 4% South Side bonds.

Tex., Sherman—Road—Grayson County Commrs. contemplate \$5,000,000 bond election.

Va., Alexandria—City contemplates \$130,000 4½% bond issue. Address City Mgr.

Va., Clintwood—Road—Dickenson County Board of Supvrs. receives bids July 17 for \$225,000 5% Ervin Magisterial Dist. bonds; W. S. Rasnick, Clk.

W. Va., Fairmont—Road—Marion County, Grant Dist., defeated \$124,927 bond issue; Lee N. Satterfield, County Clk.*

W. Va., Martinsburg—School—City voted \$310,000 bonds. Address Pres. Board of Trustees.*

Bond Issues Sold

Ala., Albany-Decatur—City Council of Albany and Decatur sold to Caldwell & Co., Nashville, \$50,000 5½% Albany bonds at par and premium of \$775; \$50,000, 5% Decatur bonds at 99½, including expenses.*

Ala., Tusculum—Street Paving—City sold \$250,000 bonds to I. B. Tigrett & Co., Jackson, Tenn., at par and accrued interest.

Ark., Hot Springs—City, Harry A. Jones, Mayor, sold \$400,000 4½% bonds jointly to Wm. R. Compton & Co., 704 Locust St., and Federal Commerce Trust Co., both St. Louis, at premium of \$10,000.

Ark., Morrilton—School—Conway County sold \$140,000 5½% Morrilton Special School Dist. coupon bonds to H. C. Speer & Sons Co., 38 S. Dearborn St., Chicago, at 101.

Ark., Paragould—Highway—Greene County sold \$70,000 6% bonds to J. E. Thompson, Little Rock, at \$1.0448.

Fla., Bradenton—Municipal Improvement—City, L. L. Hine, Clk., sold \$783,000 bonds to John Nuven & Co., 38 S. Dearborn St., Chicago, at premium of \$67,847, and accrued interest: \$250,000, artificial gas plant; \$350,000, water works; \$233,000, sewer extension.*

Fla., Coconut Grove—Municipal Improvement—City sold \$145,000 5% bonds to Florida National Bank of Jacksonville, at premium of \$2597.

Fla., Delray—Municipal Improvement—City sold \$80,000 bonds to Ocean City Bank of Delray, at premium of \$7372.

Fla., Fort Pierce—Drainage—St. Lucie County sold \$500,000 6% Fort Pierce Farms Drainage Dist. bonds jointly, to Mosser, Williams & Co., Inc., and Watling, Lerchen & Co., both Detroit.

Fla., Jacksonville—School—Duval County Board of Public Instruction, G. Elmer Wilbur, Supt., sold \$2,500,000 5% bonds to Wright, Wardlaw & Co., State Bank Bldg., Orlando, at premium of \$180,975.*

Fla., Miami—Dade County Board of Public Instruction, Chas. M. Fisher, Supt., sold \$3,800,000 5% Special Tax School Dist. bonds jointly, to Wm. R. Compton, 704 Locust St., St. Louis, Mo., Eldredge Co., Halsey Stuart Co., First National Bank of New York, and Wright, Wardlaw & Co., State Bank Bldg., Orlando, at premium of \$177,042; \$75,000 5% Dist. No. 4 bonds to W. L. Slayton Co., Toledo, Ohio, at premium of \$825; \$60,000 5% Dist. No. 9 bonds to Weil, Roth, Irving Co., Cincinnati, Ohio, at premium of \$725.

Fla., Miami Beach—Public Improvement—City sold \$939,000 bonds to Brandon, Gordon & Waddell, 120 Broadway, New York, for \$966,975.*

(Continued on Page 128.)

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Discount Accommodation

OUR clients who use discount accommodation find us a strong conservative bank, capable of meeting every legitimate banking need *at all times*.

We are always glad to discount the bills of reliable companies, as well as to place at their disposal our banking experience of 140 years.

If you desire, one of our officers will be glad to call on you and discuss your problem in detail.



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THE PROVIDENT SAVINGS BANK & TRUST CO.
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BALTIMORE COMMERCIAL BANK

GWYNN CROWTHER, President

Pratt Street and Market Place, Baltimore, Md.

Capital and Surplus \$1,000,000.00 Member Federal Reserve System

(Continued from Page 126.)

Fla., Ocala—Hospital—City, H. C. Strunk, Clk., sold \$85,000 5% \$1000 denom. bonds to Vandersolf & Co., Toledo, Ohio, at \$88.034.*

Ga., Summerville—School—City sold \$30,000, 5½% Summerville School Dist. bonds to J. H. Hillsman & Co., Atlanta Trust Co., Bldg., Atlanta, at premium of \$700.

Ky., Hazard—Street—City sold \$74,000, 6% bonds to C. E. Duff.

Md., Towson—Sewer—Baltimore County Comms., John R. Haut, Ch. Clk., sold \$1,000,000 4½% Baltimore County Metropolitan Dist. bonds to Guaranty Co., Madison Ave. and 60th St., New York, at \$105.579.*

Miss., Hazelhurst—Teachers' Home—City sold bonds to Merchants & Planters Bank.*

Miss., Hernando—Road—De Soto County Comms. sold \$75,000 6% Yazoo Delta Continuous Highway Taxing Dist. bonds to Hibernia Securities Co., Hibernia Bldg., New Orleans, La., at \$77,000 and accrued interest.*

Miss., Jackson—Municipal Improvement—City, A. J. Johnson, Clk., sold \$400,000 4½% bonds jointly to Jackson State National Bank and Merchants Bank & Trust Co., Jackson, at premium of \$2625.*

Mo., Kirksville—School—City sold \$20,000 bonds jointly to Federal Commerce Trust Co., of Kansas City and Wm. R. Compton Co., 704 Locust St., St. Louis.

N. C., Elizabeth City—Road—Pasquotank County Highway Comm., sold \$250,000, 4 and 4½% bonds to Assel, Goetz & Moerlein, Provident Savings Bank Bldg., Cincinnati, at premium of \$4750.

N. C., Marion—School and Equipment—McDowell County Comms., R. F. Barnes, Clk., sold \$20,000 6% bonds to Prudden & Co., Toledo, at \$20.803, and accrued interest.*

S. C., Blacksburg—School—Centralized High School, J. L. Hancock, Chmn., Board of Trustees, sold \$100,000 5% bonds to Bank of Blacksburg and J. H. Hillsman & Co., Atlanta, at par, accrued interest and premium of \$1750.*

S. C., Clinton—Municipal Improvement—City, J. F. Jacobs, Mayor, sold to Bank of Charleston, Charleston, \$235,000 5% bonds at 101.655 and \$160,000 5¼% paving certificates at 100.25.*

S. C., Manning—Bridge—Clarendon and Orange Counties Comms. sold \$180,000 bonds to Kaufman, Smith & Co., Security Bldg., St. Louis.

S. C., Springfield—Bridge—City, Jos. A. Smith, Sec.-Treas., sold \$180,000 5% bonds to Kaufman, Smith & Co., Security Bldg., St. Louis, Mo., at par, accrued interest and premium of \$8411.*

Tenn., Athens—Highway—McMinn County sold \$85,000 bonds to Caldwell & Co., Nashville, at premium of \$157.*

Tenn., Maryville—Highway—Blount County sold \$50,000 5% bonds to Caldwell & Co., Nashville, at premium of \$4370.

Tex., Big Spring—Water Works—City sold \$30,000, 5% bonds to H. C. Burt & Co., Houston, at premium of \$100.*

Tex., Childress—Paving—City sold \$65,000 5% bonds to Municipal Securities Co., Dallas, at par, accrued interest and \$700 as bonus.*

Tex., Conroe—Road—Montgomery County, W. H. Lee, County Judge, sold \$100,000 5½% bonds to Security Trust Co., Austin, at 105.85.*

Tex., Goree—Water—City sold \$35,000 bonds to Municipal Securities Co., Dallas, at \$1500 bonus and accrued interest.*

Tex., Richmond—Street Improvement—Water Works Extension—City, F. P. Bell, Mayor, voted \$25,000 bonds; sold 5½% bonds to H. C. Burt & Co., Houston, at par, accrued interest and premium.*

Va., Pulaski—Water Works—City sold \$100,000 5% bonds to Weil, Roth & Irving, Cincinnati, at par.*

Va., Tappahannock—Bridge—Board of Supvrs. of Essex, Richmond, Westmoreland, Northumberland and Lancaster Counties, sold \$200,000 5% bonds to Drake Jones & Co., Minneapolis, Minn., at premium of \$1925.

Building and Loan Associations

Fla., Tampa—Hillsborough County Building & Loan Assn., capital \$2,000,000, incorporated; O. M. Whitman, Pres., Storall-Nelson Bldg.

Tenn., Nashville—Nashville Building & Loan Assn., plans increasing capital, \$250,000 to \$500,000.

Tex., Denton—Denton Building & Loan As-

sociation., 209 McClurkan Bldg., incorporated; W. E. Smoot, Pres.

New Financial Corporations

Fla., Cocoa—Brevard Investment Co., capital \$10,000, incorporated; Albert L. McGlann, Ida Ruth Gordy.

Fla., Fort Lauderdale—City Bank of Fort Lauderdale, capital \$50,000, incorporated; J. S. Reed, Pres.; M. F. Reed, Cashier.

Fla., Haines City—Dixie Improvement Corp., capital \$25,000, incorporated; Samuel L. Cheatham, E. M. Miller.

Fla., Hollywood—Hollywood Securities Corp., capital \$5,000,000, incorporated; J. W. Young, F. O. Van Deren.

Fla., Jacksonville—Springfield Atlantic Bank, Main near Eighth St., capital \$50,000, incorporated; W. I. Coleman, Pres., 2845 Oak St.

Fla., Jacksonville—Wilbur Investment Co., capital \$50,000, incorporated; Charles J. Williams, Pres., Treas., 1045 Riverside Ave.

Fla., Melbourne—O'Haver Investment Co., capital \$10,000, incorporated; A. K. O'Haver, David Peel.

Fla., Miami—Elmira-Florida Investment Co., capital \$500,000, incorporated; Fred C. Miller, Pres.; Roy H. Garrison, Sec.-Treas.

Fla., Miami—Florida Mortgage & Acceptance Corp., capital \$10,000, incorporated; L. J. Hamel, 303 E. Flagler St.

Fla., Miami Beach—Biscayne Bay Investment Co., capital \$50,000, incorporated; Charles M. Lowry, Pres.; L. L. Lowry, Sec.-Treas.

Fla., Orange City—De Alton M. Jarvis, interested in establishing Orange City Bank & Trust Co., with \$15,000 capital.

Fla., Sarasota—American National Bank of Sarasota, capital \$100,000, incorporated; Geo. L. Thacker, Pres.; A. O. Skaggs, Cashier.

Fla., St. Augustine—Mantanzas Investment Co. incorporated; P. R. Perry, 52 Charlotte St.

Fla., St. Petersburg—West Coast Bond & Mortgage Co., capital \$1,500,000, incorporated; James R. Bussey, Pres., Central Natl. Bank Bldg., C. I. Carey, Sec.-Treas.

Fla., Tampa—Drexel Investment Corp. incorporated; J. L. Hearn, H. V. Stinnett.

Fla., Tampa—Waverly Investment Corp. incorporated M. J. Hulsey, M. A. Dekle.

Fla., West Palm Beach—Palm Beach Security & Investment Co., capital \$250,000, incorporated; James A. Dew, Pres.; M. H. Stewart, Sec.

Ga., Atlanta—Bell, Speas & Co., incorporated; J. W. Speas, Pres., 57 N. Forsyth St.

Md., Baltimore—Baltimore Trust Co., E. L. Norton, Pres., Wm. Ingle, Chmn. Board, 25 E. Baltimore St., established branch at Edmondson Ave. bridge, near Pulaski St.

Md., Baltimore—City Mortgage & Realty Co., Hearst Tower Bldg., capital \$100,000, incorporated; Donald T. Cronin.

Miss., Natchez—Bank of Commerce increased capital, \$50,000 to \$100,000 changed name to Bank of Commerce & Trust Co.; plans acquiring Peoples Saving Bank.

Mo., Kansas City—Surety Loan & Thrift Co. of Kansas City, incorporated; Jas. E. Stickney, 630 N. Meyer Blvd.

Mo., St. Louis—Union-Easton Trust Co. of St. Louis, capital \$200,000, incorporated; Arthur F. C. Blase, Arcade Bldg., Pres.

Mo., St. Louis—Melville Investment Co., incorporated; George M. Arendes, 605 Westgate.

Mo., St. Louis—O'Brien Investment Co., incorporated; Edward J. O'Brien, 5054 Tennessee St.

Mo., Wellston—Carnat Investment Co., incorporated; Clarence J. Frankney, 3936 Farnell St.

Okla., Soper—Liberty State Bank plans reorganizing with \$15,000 capital; Dr. Wm. M. Yeargon interested.

S. C., Fairfax—National Security Bank of Fairfax absorbed First National Bank of Fairfax, capital \$50,000.

S. C., Greenville—Unity Trust Co. of Atlanta, plans establishing branch bank, wiah Marion C. Fudge, Greenville, manager.

Tex., Bailey—First National Bank of Bailey, capital \$25,000, incorporated; Hugh Leslie, C. F. Fannin; conversion of Continental State Bank.

Tex., Corsicana—Central State Bank plans increasing capital, \$100,000 to \$200,000.

Tex., Dallas—Suburban Investment Co., in-

corporated; Sam G. Hines, Kirby Bldg.; W. E. Avery.

Tex., Evant—First National Bank of Evant, capital \$25,000, incorporated; W. C. and Evant T. Brooks, conversion of Evant State Bank.

Tex., Groom—State National Bank of Groom, capital \$25,000, incorporated; J. W. Knorpp, I. C. Unsell; conversion State Bank of Groom.

Tex., Grand Saline—State National Bank of Grand Saline, capital \$40,000, incorporated; J. E. Andrews, J. C. Alsip; conversion First State Bank of Grand Saline.

Tex., Hale Center—First National Bank of Hale Center, capital \$25,000, incorporated; Robert F. Alley, Claude Gentry; conversion First State Bank of Hale Center.

Tex., LaFeria—First National Bank of LaFeria, capital \$50,000, incorporated; J. R. McAdams, Pres.; B. H. Dunlap, Cashier; conversion Cameron County Bank of LaFeria.

Tex., Melvin—First Bank of Melvin, capital \$25,000, incorporated; W. L. Cain, E. A. Baze; conversion of First State Bank.

Tex., Paducah—Security National Bank of Paducah, capital \$50,000, incorporated; J. W. Woodley, Pres.; S. W. Weatherall, Cashier; conversion First State Bank of Paducah.

Tex., Robstown—Gouger National Bank of Robstown, capital \$50,000, incorporated; Henry E. Gouger, Pres.; T. M. Gouger, Cashier; conversion of First State Bank.

Tex., Rosenberg—First National Bank of Rosenberg, capital \$25,000, incorporated; A. W. Miller, J. E. Junker.

Tex., San Antonio—State Mortgage Corp. plans increasing capital, \$100,000 to \$500,000.

Tex., Teague—Teague State Bank, incorporated; T. B. Poindexter, J. E. Woods.

N. C., Greenville—Greenville Loan Corp., capital \$100,000, incorporated; M. K. Blount, S. T. Carson.

Tex., Fort Worth—Prescott-Wright-Snyder Co., 918 Baltimore Ave., Kansas City, Mo., established branch office in Floyd Holmes Bldg.; Howard H. Talbot in charge.

Tex., Rochelle—Rochelle State Bank of Rochelle, Tex. changed name to Rochelle National Bank, capital \$25,000.

Tex., Wichita Falls—Safety First Investment Co., capital \$10,000, incorporated; J. B. Thomas, C. C. Neeb.

Johansson Gauges and Their Work.

A finely prepared and illustrated book has been published by the C. E. Johansson, Incorporated, division of the Ford Motor Company with factory at Poughkeepsie, N. Y., giving complete information concerning the Johansson gauges for precision work in manufacture. It is not a textbook about their practical application, but it is intended solely as a general descriptive catalogue, and it is copyrighted. It is remarked that gauges of this design and make measure accurately to the millionths of an inch, which was considered impossible before their adoption, and this step consequently marks an important advance in the manufacture of fine tools and interchangeable parts. Mr. Johansson is at the Ford laboratories, Dearborn, Mich.

Corning Architectural Terra Cotta.

The Corning Terra Cotta Company, manufacturers of architectural terra cotta, Corning, N. Y., have issued an exceedingly attractive and finely illustrated catalogue giving full particulars about the economical, durable and artistic characteristics of their product, which is marketed through agencies in all of the principal cities. The pictures present typical examples of the company's work in buildings of varying types and different stylistic treatment, thus displaying ability to carry out successfully architects' designs for buildings of important character that required specially made terra cotta and specially designed detail. For minor construction some stock details are shown.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

WE extend the facilities of our organization to those desiring information or reports on companies with which we are identified.

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We have other letters showing how we are bringing together buyers and sellers for properties of all kinds. Write us if you have property for sale.

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FIRST MORTGAGE REAL ESTATE BONDS

We finance the erection of apartments, office buildings and other business property, through purchase of first mortgage bond issues, in amounts of \$50,000 to \$200,000. Larger loans for construction and on completed buildings negotiated through our New York connections.

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MANUFACTURERS in Georgia will find, in addition to an unfailing supply of low priced Hydro-Electric Power and an ample supply of intelligent, dependable Anglo-Saxon labor, decidedly favorable transportation costs.

Each of the seventy municipalities supplied with Hydro-Electric Power by the Georgia Railway & Power Company are on or closely connected with main routes of large railroad systems. There is none of the rail congestion typical of older industrial sections.

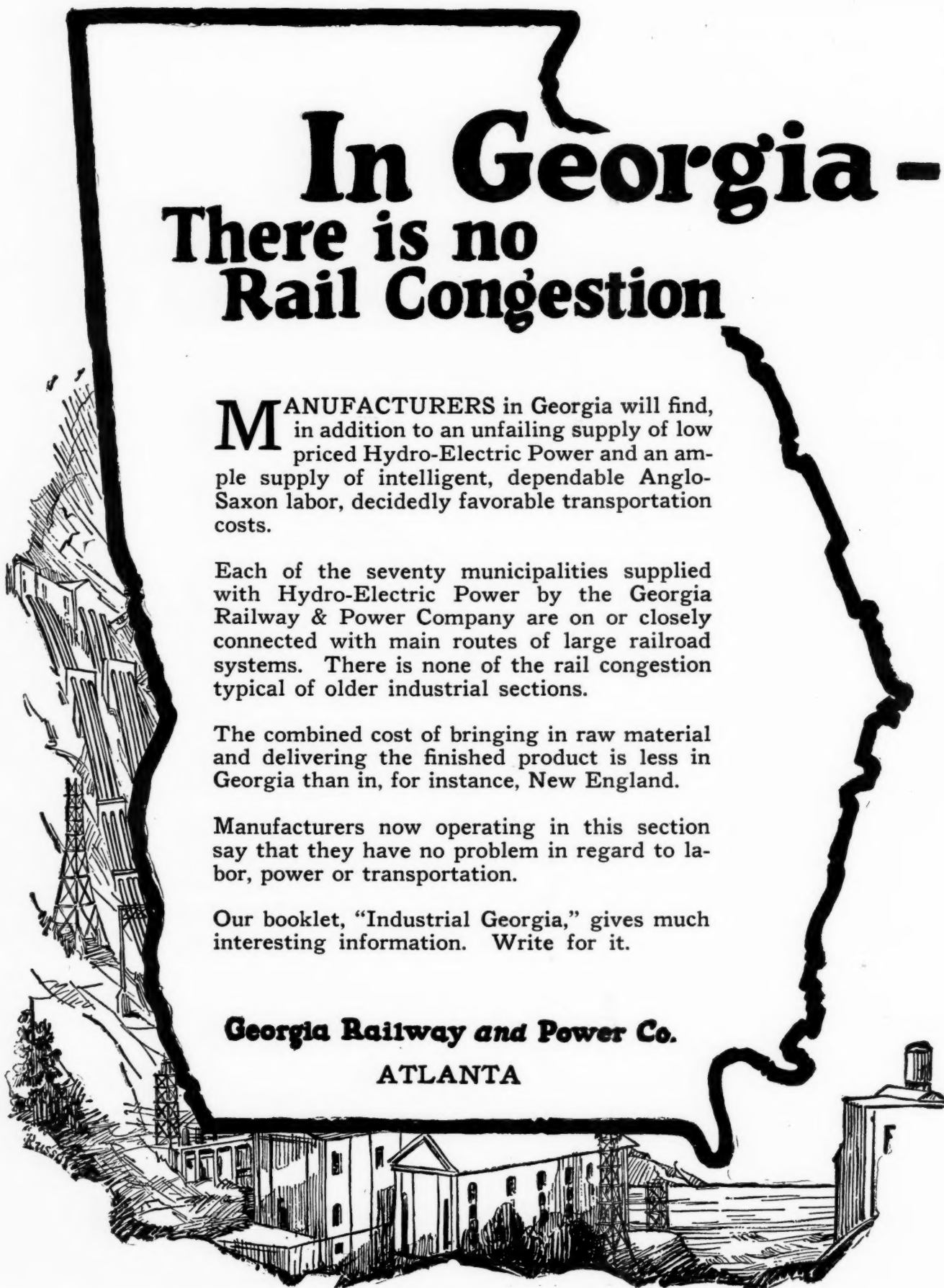
The combined cost of bringing in raw material and delivering the finished product is less in Georgia than in, for instance, New England.

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Our booklet, "Industrial Georgia," gives much interesting information. Write for it.

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ATLANTA



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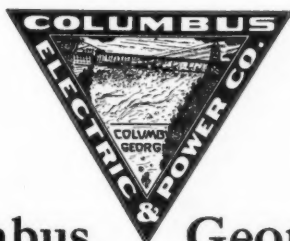
COLUMBUS, GEORGIA, enjoys a unique position among the inland cities of the South inasmuch as it has two important advantages.

1 It is served by a unit in the great Super-Power Zone of the Southeast—the greatest east of the Rockies. The lines of the Columbus Electric and Power Company are connected in three different directions with other companies of the southeastern super-power zone which extends from Mississippi to Virginia. This insures ample and dependable power.

2 The Chattahoochee River affords navigation from Columbus to the Gulf without the aid of locks and dams. This brings very favorable freight rates to the shipper, who is served also by seven railroad lines.

These are some of the advantages that make our Industries thrive.

A line to our Commercial Department will bring the whole story in brief form by return mail.



R. M. Harding, *Mgr.*
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\$1,000,000 Apartment for University City, Mo.

Construction is expected to begin soon on a \$1,000,000 apartment building to be erected on the south side of Delmar Boulevard at University City, St. Louis. Con P. Curran is the owner of the property, and details have been arranged with S. W. Straus & Co., Chicago, for floating a first-mortgage



NEW APARTMENT FOR ST. LOUIS SUBURB.

loan to finance the structure. Plans and specifications prepared by Preston J. Bradshaw of St. Louis call for a six-story building, fireproof, of reinforced concrete, the exterior to be of matt brick with ornamental terra cotta and stone trim.

The first floor will be devoted to a spacious lounge, writing rooms and tea room, while the upper floors will contain 60 apartments. Mechanical equipment will include high speed elevators, vapor heating system and central refrigeration plant, which will cool each of the ice boxes in the different apartments. A garage to accommodate 50 cars and connected directly with the apartment will be provided.

A Book About Four Texas Ports.

Port Series No. 14, published by the War Department Corps of Engineers, United States Army and the United States Shipping Board, relates to the ports of Port Arthur, Sabine, Beaumont and Orange, Texas. This book of 148 pages, with pictures and inset maps, is one of a series covering all of the important seaports of the United States; and although it is numbered 14 in the series, it is only the ninth report distributed, Nos. 7, 8, 9, 10 and 12 being still in preparation. Like the others, it gives valuable data for the use of importers, exporters, manufacturers, railroads, steamship lines and the general public, besides meeting the needs of the Government. Complete information concerning the port facilities, charges, etc., is presented. Copies may be purchased from the Superintendent of Documents, Government Printing Office, Washington, D. C.

Cotton Conditions Good in Georgia.

Atlanta, June 8—[Special.]—The condition of the cotton crop in Georgia is better than it has been in six years, according to statements just given out by the State Co-operative Crop Reporting Service. The condition of the crop at the last report was 78 per cent of normal, as compared with 68 per cent last year and 65 per cent in 1923, this being a higher percentage for the period than for any year since 1919. Weather conditions have been generally good for cotton, although there is a threatened drouth at the present time, and the only doubtful feature of the situation is the boll weevil, which has been found in large numbers in every section of the state.

Manufacturing in Oklahoma, 1923.

The biennial census of manufactures, 1923, shows the value of products (at factory prices) of manufacturing establishments in Oklahoma aggregated \$315,197,000, representing an increase of 11.1 per cent, as compared with \$283,764,000 in 1921. These figures relate to manufacturing establishments whose output during the year was valued at \$5000 or more. The elimination of data for the smaller establishments has only a slight effect on the totals.

The average number of wage-earners employed during 1923, 25,488, exceeded by 14.6 per cent the number reported for 1921, 22,241, and the total wage payments in 1923, \$33,069,000, show an increase of 12 per cent as compared with \$29,532,000 in 1921.

The refining of petroleum is the leading industry in Oklahoma, as measured either by number of wage-earners or by value of products. In this industry the average number of wage-earners employed during the census year increased from 4054 in 1921 to 4310 in 1923, the per cent of increase being 6.3, and the value of products aggregated \$131,521,000, being a slight decrease as compared with 1921.

The following table presents statistics for the leading manufacturing industries in Oklahoma, listed in the order of their importance as measured by the average number of wage-earners employed in 1923. (The slaughtering and meat packing and cement industries, which ranked seventh and tenth, respectively, in number of wage-earners, are not shown in this table in order to avoid disclosing the operations of individual establishments.) The figures for 1923 are preliminary and subject to such correction as may be found necessary upon further examination of the returns.

SUMMARY FOR MANUFACTURING INDUSTRIES IN OKLAHOMA, 1923 AND 1921.

| | Census year | Number of establishments | Wage-earners (average number) | Wages | Value of products |
|--|-------------|--------------------------|-------------------------------|--------------|-------------------|
| Total, all industries | 1923 | 1,243 | 25,488 | \$33,068,705 | \$315,197,148 |
| | 1921 | 1,398 | 22,241 | 29,531,545 | 283,763,685 |
| Petroleum refining. | 1923 | 60 | 4,310 | 7,492,333 | 131,521,242 |
| | 1921 | 67 | 4,054 | 6,622,888 | 131,579,105 |
| Lumber and timber products (logging and sawmill operations) | 1923 | 23 | 2,464 | 1,531,961 | 4,637,435 |
| | 1921 | 25 | 1,722 | 1,044,072 | 2,936,636 |
| Steam-railroad repair shops | 1923 | 20 | 2,163 | 3,091,901 | 5,898,288 |
| | 1921 | 15 | 2,442 | 4,152,854 | 6,503,211 |
| Smelting and refining, zinc | 1923 | 9 | 1,902 | 2,834,882 | 16,535,814 |
| | 1921 | 8 | 694 | 805,328 | 4,380,532 |
| Foundry and machine-shop products, not elsewhere classified | 1923 | 66 | 1,426 | 2,182,725 | 10,184,316 |
| | 1921 | 82 | 1,050 | 1,626,141 | 7,256,659 |
| Glass | 1923 | 15 | 1,377 | 1,639,437 | 6,110,417 |
| | 1921 | 15 | 1,146 | 1,405,361 | 4,392,491 |
| Printing and publishing, newspapers and periodicals | 1923 | 170 | 1,158 | 2,066,339 | 9,166,118 |
| | 1921 | 198 | 1,290 | 2,008,483 | 8,414,090 |
| Bread and other bakery products | 1923 | 145 | 1,068 | 1,258,622 | 7,131,027 |
| | 1921 | 208 | 1,061 | 1,226,355 | 7,690,487 |
| Ice, manufactured | 1923 | 110 | 661 | 919,816 | 4,878,670 |
| | 1921 | 103 | 636 | 897,573 | 4,846,714 |
| Clay products (other than pottery) and non-clay refractories | 1923 | 19 | 618 | 637,905 | 1,869,236 |
| | 1921 | 20 | 577 | 565,019 | 1,791,644 |
| Flour-mill and grain-mill products | 1923 | 74 | 562 | 604,828 | 20,837,230 |
| | 1921 | 107 | 630 | 783,809 | 23,132,167 |
| Oil, cake and meal, cottonseed | 1923 | 40 | 546 | 403,514 | 10,932,277 |
| | 1921 | 46 | 941 | 956,078 | 11,816,194 |
| All other industries | 1923 | 492 | 7,233 | 8,404,442 | 85,495,078 |
| | 1921 | 504 | 5,998 | 7,437,584 | 69,023,755 |

The Suburban Sanitary Commission, Washington, D. C., has sold a bond issue of \$500,000 to Kean, Taylor & Co., New York, at approximately 103.81 per \$100 of par value.

To Complete Chamber of Commerce Building.

Greenville, S. C.—Contract has been awarded to Potter & Shackelford of this city by the Greenville Chamber of Commerce for the completion of its new 10-story building, which is being erected at a cost of approximately \$300,000. Steel work on the structure has been completed and brick work is nearing completion, this work having been done by the original contractors, who recently suspended operations because of financial difficulties.

The building is 42 by 90 feet, of brick and steel, with concrete foundations and floors. Beacham & Le Grand of Greenville are the architects. Contract for elevators has been awarded to the Otis Elevator Co. of New York.

Construction Soon on \$1,500,000 Apartment.

Construction is expected to begin within a few days on the Temple Garden Apartments, to be erected at Madison avenue and Cloverdale road, Baltimore, by the Temple Gardens Realty Co. at a cost of approximately \$1,500,000. The structure will be fourteen stories high, fireproof, of brick with terra cotta and cast stone trimming. It will contain 104 housekeeping apartments, the main floor to have a large lounge, offices, information bureau and telephone booths. Two high-speed elevators will be installed. A. Lowther Forrest is the architect and J. Henry Miller, Inc., general contractor, both of Baltimore.

First Unit of Hotel to Cost \$2,000,000.

Miami Beach, Fla.—Plans for the first unit of the new Roney Plaza Hotel to be erected here by N. B. Roney have been approved and general contract awarded to the Miami office of the George A. Fuller Co. of New York. This unit will be nine stories, with an ornamental tower of six stories, and will cost approximately \$2,000,000. It will contain 300

guest rooms and will provide space for 51 shops, theater and other facilities. There will be four arcades on the ground floor. Schultze & Weaver of New York are the architects, and Robert A. Taylor of Miami, associate.

Complete Concrete Pipe Plant Near Greenville.

The Superior Sewer Pipe Co. has completed a concrete pipe plant in Camp Seyler, near Paris, on the Greenville-Spartanburg Highway and the main line of the Southern Railway, five miles from Greenville, S. C. A McCracken concrete pipe machine, operated by a 74-horsepower electric motor, together with necessary concrete mixers, has been installed. Four large curing rooms, 27 by 90 feet, have been provided for curing the pipe with water spray and steam.

The capacity of this plant will be from 600 to 2600 feet daily, depending on the size made. Concrete sewer pipe in standard sizes from 4 to 24 inches is now being produced, and in the near future culvert pipe, 15 to 42 inches, will be made. Sand will be furnished by the Southern Silica Mining & Manufacturing Co., Columbia, S. C.

The officers of the new company are: C. R. Johnson, Anderson, president and treasurer; L. A. Cochran, secretary; T. Keith Legare, Columbia, vice-president and sales manager.

Belmont Processing Company.

Belmont, N. C.—The Belmont Processing Co. has been incorporated with an authorized capital stock of \$2,000,000 to conduct a textile, milling, processing and finishing business. Incorporators of the new company include D. A. Rhyne of Lincolnton, N. C.; A. C. Lineberger, R. L. Stowe, S. P. Stowe and J. M. Hatch, all of Belmont.

The city of Asheville, N. C., has sold a bond issue of \$1,700,000 for municipal improvements at a premium of \$86,574.



BOND ISSUES

PROPOSALS

BUILDINGS

PAVING

GOOD ROADS



Bids close July 7, 1925.

U. S. ENGINEER OFFICE, Florence, Ala. Sealed proposals will be received here until 11 A. M., July 7, 1925, and then opened, for furnishing and erecting a bascule bridge across the navigation lock of Wilson Dam. Further information on application.

Bids close, July 7, 1925.

U. S. ENGINEER OFFICE, Florence, Ala. Sealed proposals will be received here until 11 A. M., July 7, 1925, and then opened, for furnishing and erecting a Strauss trunnion bascule bridge across the navigation lock of Wilson Dam. Further information on application.

Bids close June 15, 1925.

U. S. ENGINEER OFFICE, Montgomery, Ala., May 15, 1925. Sealed proposals will be received here until 11 A. M. June 15, 1925, and then opened, for one 80-foot by 5-foot steel barge. Further information on application.

Bids close June 15, 1925.

Sealed proposals in triplicate will be received in the office of Constructing Quartermaster, Room 2236 Munitions Building, Washington, D. C., until 11 A. M. June 15, 1925, and then opened, for constructing an addition to the Medical Storehouse, Walter Reed General Hospital, Washington, D. C. Information upon application to above office.

RATE: 35 cents per line per insertion

PUBLICATION DAY: Thursday.

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advantage when copy cannot reach

us in time for publication in the

Manufacturers Record before bids are

to be opened, or when daily publica-

tions are necessary to meet legal re-

quirements.

The same rate applies—35 cents per

line per insertion.

Bids close June 22, 1925.

TREASURY DEPARTMENT, Office of

the Supervising Architect, Washington,

D. C., May 20, 1925.—SEALED PROPO-

SALS will be opened in this office at 3

P. M., June 22, 1925, for the construction,

including Mechanical Equipment and Ap-

proaches of a two-story and basement

building with a ground area of approxi-

mately 3160 sq. ft., for the United States

Post Office at Holly Springs, Miss. Draw-

ings and specifications may be obtained

from the Custodian of the site at Holly

Springs, Miss., or at this office in the dis-

cretion of the Supervising Architect. Jas.

A. Wetmore, Acting Supervising Architect.

Bids close July 20, 1925.

U. S. ENGINEER OFFICE, Florence, Ala. Sealed proposals will be received here until 11 A. M., July 20, 1925, and then opened, for furnishing and erecting a Gantry Crane on Spillway section of Wilson Dam. Further information on application.

Bids close June 24, 1925.

TREASURY DEPARTMENT, Office of the

Supervising Architect, Washington, D. C.,

June 3, 1925. SEALED PROPOSALS will

be opened in this office at 2 P. M. June

24, 1925, for new mezzanine floor for files,

(1st. story) including incidental changes

in the mechanical equipment of the United

States Post Office (Old) at Columbia, S. C.

Drawings and specifications may be ob-

tained from the Custodian of the building

or at this office in the discretion of the

supervising architect. Jas. A. Wetmore,

Acting Supervising Architect.

Bids close June 26, 1925.

TREASURY DEPARTMENT, Office of the

Supervising Architect, Washington,

D. C., May 20, 1925.—SEALED PROPO-

SALS will be opened in this office at 3

P. M., June 26, 1925 for the construction,

including Mechanical Equipment and

Lighting Fixtures, and incidental altera-

tions to the present building of a one-

story semi-fireproof extension of about

315 sq. ft. ground area at the U. S. P. O.,

St. Petersburg, Fla. Drawings and spec-

ifications may be obtained from the Cus-

todian of the building or at this office in

the discretion of the Supervising Archi-

tect. Jas. A. Wetmore, Acting Supervising

Architect.

Bids close July 10, 1925.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., June 1, 1925.—**SEALED PROPOSALS** will be opened in this office at 3 P. M., July 10, 1925, for the construction complete, including approaches and mechanical equipment of one-story brick and stone trimmed Post Office building, approximately 50 by 96 feet in size, at Franklin, Pa. Drawings and specifications may be obtained from the custodian of the site at Franklin, Pa., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

Bids close July 7, 1925.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., June 8, 1925. **SEALED PROPOSALS** will be opened in this office at 3 P. M., July 7, 1925, for remodeling, including incidental changes in the mechanical equipment of the United States Post Office at Clarksburg, W. Va. Drawings and specifications may be obtained from the Custodian of the building or at this office in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

Bids close July 7, 1925.

\$225,000 5% Road Bonds

Clintwood, Va.

Bids will be received by the Board of Supervisors of Dickenson County, Virginia, at the courthouse of said county in Clintwood, Virginia, at 10.00 o'clock A. M., Tuesday, July 7, 1925, for the purchase of Two Hundred and Twenty-five Thousand Dollars (\$225,000) of five per cent (5%) road bonds of Ervinton Magisterial District in Dickenson County, Virginia, on the following terms:

1. Said bonds to mature and be redeemable annually on January 1, in the following years and amounts:

| | |
|---------|------------------|
| 1928 | \$3000 |
| 1929-37 | 4000 each year |
| 1938-42 | 6000 each year |
| 1943-48 | 8000 each year |
| 1949-54 | 10,000 each year |
| 1955-58 | 12,000 each year |

2. Bids to be accompanied by certified checks for 2% of amount of bonds bid for;

3. Interest to be payable semi-annually on January 1 and July 1 of each year;

4. Both bonds and interest to be payable at the office of the Treasurer of Dickenson County, at Clintwood, Virginia;

5. Bonds to be issued serially in denominations of \$500 or \$1000 at option of purchaser;

6. Bidder to pay cost of printing bonds and to furnish necessary legal service for issuance of bonds;

7. Said Board of Supervisors reserves right to reject any and all bids.

THE BOARD OF SUPERVISORS OF
THE COUNTY OF DICKENSON,
STATE OF VIRGINIA.

W. E. RASNICK, Clerk.

Bids close July 6, 1925.

Road Construction

Fayetteville, W. Va.

Sealed proposals will be received by the County Court of Fayette County, W. Va., at the Court House in Fayetteville until 10.00 o'clock A. M. on the 6th day of July 1925, and opened and read immediately thereafter, for the construction of the following section of County District Road.

Project K 51—7 miles of the Kincaid-Deepwater Road in Kanawha District for paving with Cement Concrete or Bituminous Macadam.

Certified check \$5000.

Proposals will be received only upon standard forms, in accordance with plans, specifications and estimates of the quantities therefor, which standard forms, plans, specifications and estimates of quantities may be obtained from the County Road Engineer at Fayetteville, W. Va.

Each proposal must be accompanied by a certified check in the amount specified. The right is reserved to reject any and all bids.

THE COUNTY COURT OF FAYETTE
COUNTY.

THOMAS BOONE,
Clerk.

Bids close June 18, 1925.

State Road Construction

SANITARY AND DRAINAGE COMMISSION OF CHARLESTON COUNTY

Charleston, S. C.

1. Notice is hereby given that sealed proposals for highway improvements in Charleston County, St. Andrews Township, will be received at the offices of the Sanitary and Drainage Commission, at Charleston, South Carolina, until 12.00 noon, June 18th, 1925 and then publicly opened.

DESCRIPTION OF WORK TO BE DONE.

Construct approximately twenty-five thousand yards plain concrete pavement including shoulders and fine grading.

County, Charleston; Township, St. Andrews. Detailed plans of the work may be seen for examination at the offices of Sanitary and Drainage Commission, at Charleston, South Carolina. Complete set of plans will be furnished for \$5.00 which sum will be refunded if plans are returned in good condition, within thirty days after receipt of bid.

The right is reserved to reject any or all proposals and waive any technicalities.

Bids close June 15, 1925.

Road Improvements

Beaufort, N. C.

Sealed proposals will be received by the Board of Commissioners for Carteret County at the Court House, Beaufort, N. C., until 12 o'clock Noon June 15, 1925 for Road Improvements.

The work will consist of about ten miles of concrete or asphalt pavement with the necessary excavation and borrow and ditching.

All bids must be upon the blank forms provided in the Proposal, Specifications and Contract.

Each bid must be accompanied by a certified check or Bidders Bond in an amount equal to five per cent of the amount of the bid, as evidence of good faith.

Plans and Specifications will be on file at the office of the County Auditor, Beaufort, N. C., and the office of the Engineer, Beaufort, N. C. Copies of the Specifications, forms of Proposal, etc., may be had upon deposit of ten dollars from W. L. Stancil, Clerk to Board, Beaufort, N. C., or Geo. J. Brooks, Engineer, Beaufort, N. C.

The right is reserved to reject any or all bids.

J. E. WOODLAND, Chairman.

W. L. STANCIL, Clerk.

GEO. J. BROOKS, Engineer.

Bids close June 17, 1925.

Street Improvements

Johnson City, Tenn.

Sealed proposals will be received by the City of Johnson City, Tennessee, at the Municipal Building, until 2 P. M. Wednesday, June 17, 1925, at which time they will be publicly opened and read, for grading and paving various Improvement Districts with concrete, asphalt, or asphaltic concrete.

The work will embrace approximately 38,000 square yards of paving, 24,000 lineal feet of curb and gutter, 9000 lineal feet of curb, 7000 feet of 8 inch sewer, 6500 feet of 6 inch sewer, 20 manholes, 150 cubic yards of concrete in bridges, and 6000 cubic yards of grading.

Plans and specifications will be on file and can be seen at the office of the City Engineer, Johnson City, Tennessee. Each bid must be accompanied by a certified check for 10 per cent. of the amount of the bid, conditioned that the contractor, in case the work be awarded him, will enter into a contract with the City of Johnson City within the time required and for the price named in the bid and in accordance with the plans and specifications and the provisions of the ordinances providing for the improvements, to do the work or improvements.

The right is reserved to reject any or all bids or to accept any bid, as the interest of the City of Johnson City may require.

This May 25, 1925.

T. H. McNIEL,
City Recorder.

Bids close July 7, 1925.

Street Paving

Avon Park, Fla.

Town of Avon Park, Florida, will receive proposals for the construction of about one hundred thousand (100,000) square yards of street paving, until Tuesday, July 7th, 1925, at 1.30 o'clock P. M.

G. L. CREWS, Mayor,
J. W. TURNER, Engineer.

Bids close July 3, 1925.

Street Improvements

Eagle Lake, Fla.

Sealed proposals addressed to the Town Council, Eagle Lake, Florida and marked "Sealed Proposals" will be received until 7.30 P. M., July 3, 1925, to be opened immediately thereafter, for furnishing material, equipment and labor, and constructing certain work approximately as follows:

Street Paving within the Town of Eagle Lake, Florida.

Approximately 77,000 Square Yards of street pavement, complete with necessary drainage and appurtenances.

Surface treatment, penetration and similar types of surfacing on Bartow Clay or Limerock Foundation will be considered.

Each bid is to be on blank forms furnished by the Clerk, and is to be accompanied by a certified check, or bid bond issued through a local agency, by a bonding company qualified to do business in the State, made payable to Town of Eagle Lake, Florida for \$3000.

Certified check or bid bond will be forfeited as liquidated damage if contract and bond are not executed within the time specified, if proposal is accepted, otherwise will be returned within ten days.

The right is reserved to reject any and all bids.

After June 15 plans and specifications may be seen at the office of the Clerk and the offices of the Engineers, and specifications may be obtained from the Engineers at Bartow, Fla., upon payment of \$2.00 to cover cost of reproduction.

D. M. DELK, Clerk.
E. C. CAMP & ASSOCIATES,
Consulting, Supervising and Testing Engrs.,
Atlanta, Ga.; Bartow, Fla.; Jacksonville,
Fla.

Bids close July 7, 1925.

Street Improvements

Sealed proposals on blank forms furnished by the Town and addressed to "Mayor and Council, Dundee, Florida," will be received until 2.00 P. M., July 7, 1925, at Dundee, Florida, for furnishing all material, equipment and labor for doing the following work:

Approximately 55,000 square yards of Street Paving and 15,000 square yards of Portland cement concrete sidewalks.

Each bid on street paving or street paving and sidewalks shall be accompanied by a certified check or satisfactory bidder's bond in the sum of not less than FIVE THOUSAND DOLLARS and each bid on sidewalks alone shall be accompanied by a certified check or bidder's bond in the sum of not less than ONE THOUSAND DOLLARS. All checks or bidder's bonds shall be made payable to the Town of Dundee, Florida, or to John L. Olson, Town Clerk.

Plans and specifications may be seen at the office of the Town Clerk or at the offices of the Engineers at Eustis, Florida and Elberton, Georgia.

Full sets of plans and specifications will be furnished by the Engineers upon the payment of Twenty-Five Dollars, half of which will be refunded upon the return of the plans and specifications, in good condition, within ten days after the award of the contract. Specifications may be obtained from the Engineers upon payment of Two Dollars.

The right is reserved to reject any or all bids.

TOWN OF DUNDEE, FLORIDA.

G. F. KLETZIN, Mayor.

JOHN L. OLSON, Town Clerk.

H. S. JAUDON ENGINEERING

COMPANY.

Engineers.

Eustis, Florida, Elberton, Georgia,

Leesburg, Florida.

Bids close June 25, 1925.

Street Improvements

Corinth, Miss.

Sealed proposals will be received by the Board of Mayor and Aldermen of the City of Corinth, Miss., until 7.00 o'clock, P. M., on June 25, 1925, when the said Board will meet in the Mayor's office in said city at said time to consider the same and the letting of a contract to the lowest and best bidder, covering certain improvements on parts of Webster, Cass, Madison, Childs, Franklin, Cruise, Waldron and Foote Streets, or all parts of streets ordered specially improved under Improvement Ordinances Nos. 12X, 13, 14 and 16 and the continuations thereof, for grading, drainage, combined curb and gutter, sidewalk extensions, laying, relaying, etc. of sidewalks, water and sanitary sewer connections and the laying of approximately 36,900 yards of Sheet Asphalt paving thereon, according to the plans and specifications for said work on file in the office of the Clerk of said City for said improvements on parts of said streets.

Specifications and bidding blanks may be had on application to the Clerk of said City or Robert L. Totten, Inc., Consulting Engineers. Complete plans and specifications are on file in the office of Clerk of said City, or the same will be mailed on receipt of payment of \$3.00 therefor. The right is reserved to reject any or all bids.

J. A. LOWE, Mayor,
M. T. SHARP, Clerk.

ROBERT L. TOTTON, INC.,
Consulting Engineers,
Brown-Marx Building,
Birmingham, Alabama.

Bids close June 24, 1925.

Street and Sewer Improvements

Sealed proposals addressed to City Commission of Haines City, Florida, and marked Sealed Proposal, will be received until 2.30 P. M., June 24, 1925, and will be opened immediately thereafter at the City Hall of Haines City, for furnishing Material, Equipments and Labor, to Repave, Widen and Pave certain streets in Haines City, Florida.

The work will consist of approximately the following:

- 120,000 Sq. Yds. Paving.
- 4000 Sq. yds. Relaid asphalt blocks.
- 49,000 Lineal Ft. Curbing.
- 1000 Lineal Ft. reset Curbing.

Also necessary grading and storm drainage.

25,000 lineal ft. sanitary sewerage, together with necessary manholes, flush tanks and appurtenances, and house connection laterals.

Plans and specifications may be examined at the office of the City Clerk, at the City Hall, and a copy of specifications secured upon payment of \$5.00 to cover the cost of printing.

Each bid must be entered upon the blank form furnished by the City Clerk, and must be accompanied by a certified check or bid bond issued through a local agency, by a bonding company authorized to do business in the State of Florida, made payable to the City of Haines City, for 5% of the amount of the bid, as a guarantee that the contract will be signed and a satisfactory bond amounting to 33 1/3 per cent of the contract, issued through a local agency, will be executed within the time specified.

Payments will be made on monthly estimates. The City reserves the right to reject any or all bids.

JESS P. FERRILL,
City Clerk,
Haines City, Fla.

Bids close June 22, 1925.

Sewers and Appurtenances

Towson, Md., May 26, 1925.

Sealed proposals addressed to the County Commissioners of Baltimore County and endorsed bids for the laying of Sewers and Appurtenances thereto in Catonsville, Md., will be received at their office in the Court-house, Towson, Md., until 11 A. M. Eastern

Standard time, on June 22 next, when they will be publicly opened and read.

PROPOSAL No. 5-S.

Approximate quantities.

| | | |
|--------|-------------|--------------------------------|
| 7,430 | Linear Feet | 6-inch T. C. Sewer. |
| 24,315 | Linear Feet | 8-inch T. C. Sewer. |
| 2,675 | Linear Feet | 10-inch T. C. Sewer. |
| 4,235 | Linear Feet | 15-inch T. C. Sewer. |
| 665 | Linear Feet | 18-inch T. C. Sewer. |
| 20,070 | Linear Feet | 6-inch T. C. House Connection. |
| 122 | Manholes. | |
| 2,900 | Cubic Yards | Rock Excavation. |
| 500 | Linear Feet | 4-inch Tile Under-drain. |
| 1,500 | Linear Feet | 6-inch Tile Under-drain. |

| | | |
|-----|---------------|---|
| 250 | Y-Branches on | 6-inch Pipe. |
| 705 | Y-Branches on | 8-inch Pipe. |
| 50 | Y-Branches on | 10-inch Pipe. |
| 45 | Y-Branches on | 15-inch Pipe. |
| 6 | Y-Branches on | 18-inch Pipe. |
| 185 | Cubic Yards | Miscellaneous and Test Pit earth excavation. |
| 100 | Cubic Yards | earth excavation and refill below sub-grade. |
| 200 | Cubic Yards | earth excavation and gravel refill below sub-grade. |

Each bid must be accompanied by a certified check for Three Thousand (\$3000) Dollars, payable to the County Commissioners, as a guarantee that the successful bidder will sign the contract.

A bond for an amount equal to the amount of the bid of a surety company satisfactory to the Commissioners will be required of the successful bidder.

A copy of the specifications, plans and drawings will be furnished prospective bidders on receipt of a certified check for Twenty-five (\$25) Dollars, which will not be refunded. No specifications or plans will be issued after Wednesday, June 17. Specifications and drawings can be seen at the office of the Chief Engineer of the Baltimore County Metropolitan District, Towson, Md., after Monday, June 1, 1925.

Consideration will be given bidders' experience (must be stated in or attached to the bid), financial standing and reputation for having done successful work without controversy or litigation, and the Commissioners reserve the right to reject any or all proposals or bids, or to accept any proposal or bid, or to waive technicalities as they may deem best for the interest of the county.

By order of the Board.
JOHN R. HAUT, Chief Clerk.
A. E. WALDEN, Chief Engineer.

Bids close July 1, 1925.

Water-Works, Sanitary Sewers and Street Improvements

Sealed proposals will be received by the Board of Bond Trustees of the City of De Land, Florida, at the City Hall for furnishing material and constructing water works improvements, sanitary and storm sewer systems, and street improvements in and for the City of DeLand, Florida, until 2.30 P. M., July 1, 1925, at which time they will be opened and read publicly.

The work includes the furnishing of all labor, material, machinery and equipment of every kind necessary to construct approximately 140,000 square yards of brick, concrete or bituminous pavements with necessary curb, gutter and appurtenances, approximately three miles of storm drains and drain wells, 12 to 36 inches, with accessories. Approximately 8 1/2 miles of sanitary sewers, 6 to 12 inches with accessories, one settling tank, one sewage pumping station. Approximately 9 1/2 miles 6 to 10 inch water mains with specials, deep well pumps and pump house, deep wells and tower and tank, all complete and in accordance with plans and specifications on file at the office of the Engineers and the City Clerk.

Each bid must be accompanied by a certified check on a bank satisfactory to the Bond Trustees, or Bidders' bond acceptable to the Bond Trustees, for five (5) per cent of the amount bid, drawn to the order of the City of DeLand, Florida.

A bond in the sum of twenty-five (25) per cent of the amount of the contract with satisfactory surety executed through De Land Florida Agency, will be required for the faithful performance of the work.

All bids must be compared on the basis of the Engineers' estimate of the work to be done.

Copies of specifications may be obtained from the Engineers upon receipt of deposit of Five (\$5.00) Dollars which will be returned to bona fide bidders.

Plans may be seen at the office of the Engineer at DeLand, or Atlanta, Georgia,

or at the City Hall. Copies of plans may be obtained on payment of Twenty-five (\$25.00) Dollars.

The right is reserved to reject any or all bids.

This 22nd day of May, 1925.

CITY OF DELAND, FLORIDA,
E. R. CONRAD,
G. A. DREKA,
V. M. FOUNTAIN,

Bond Trustees.
J. B. McCRARY ENGINEERING CORPORATION,
Engineers.
Atlanta—Georgia.

Bids close June 24, 1925.

Sewerage Improvements

Chapel Hill, N. C.

Sealed proposals will be received by the Mayor and Board of Aldermen of the Town of Chapel Hill, N. C., until 3:00 P. M. Wednesday, June 24, 1925, at the office of the City Manager, for the construction of certain Sewerage Improvements.

The work will consist of the construction of an Intercepting Outfall, Sanitary Sewer and Disposal Plant, consisting of screen chamber, sewage settling tank and sludge drying bed, together with various appurtenances thereto.

Proposals must be marked "PROPOSALS FOR SEWERAGE IMPROVEMENTS FOR THE TOWN OF CHAPEL HILL, N. C." All bids must be submitted upon blank forms provided in copies of the Proposal Contract and Specifications.

Each bid must be accompanied by a certified check for seven and one-half (7 1/2) per cent of the amount of the bid, as evidence of good faith, but in no event for less than the amount of Two Hundred and Fifty (\$250.00) Dollars.

Plans, copies of the Proposal, Contract, Specifications, etc., may be obtained upon application to the Engineer.

The Town reserves the right to reject any or all bids, or to award contracts which appear to be for the best interest of the Town.

W. S. ROBERSON, Mayor.
EDWARD M. KNOX,
City Manager.

WILLIAM C. OLSEN,
Consulting Engineer,
Raleigh, N. C.

Bids close June 17, 1925.

Purchasing and Demolition of Properties

Baltimore, Md., June 3, 1925.

PROPOSALS will be received by the Board of Awards of Baltimore City for the purchasing and demolition of properties on the Canton School site, known as Nos. 801 to 833 (inclusive) Second Street and Nos. 3500 to 3510 (inclusive) Hudson Street, for the Mayor and City Council.

BIDS must be executed in duplicate and enclosed in sealed envelopes, addressed to the Board of Awards of Baltimore City, marked on the outside:

"BIDS FOR PURCHASING AND DEMOLISHING OF PROPERTIES."

Nos. 801 to 833 (inclusive) Second Street and
Nos. 3500 to 3510 (inclusive) Hudson Street.

ALL BIDS must be left with Mr. Fred-edick A. Dolfield, City Register, at his office in the City Hall, on or before 11.00 A. M. Wednesday, June 17, 1925.

EACH BID must be accompanied by a certified check of the bidder in the amount of the bid, upon some Clearing House Bank, made payable to the Mayor and City Council of Baltimore.

SPECIFICATIONS may be seen at the office of the Supervising Engineer of the Public Improvement Commission, 518 Hearst Tower Building, Baltimore, Md., on and after Thursday, June 4, 1925.

The Board reserves the right to reject any or all bids.

PUBLIC IMPROVEMENT COMMISSION,
H. G. FERRING,
Supervising Engineer.
By C. A. MOHR,
Acting Supervising Engineer.
STUART PURCELL,
Chief Engineer.

Approved:
HOWARD W. JACKSON,
President, Board of Awards.

Approved:
GEO. E. KIEFFNER,
Asst. City Solicitor.

Bids close June 17, 1925.

Police Sub-Station

Baltimore, Md., June 3, 1925.

PROPOSALS will be received by the Board of Awards of Baltimore City for the erection of a Police Sub-Station at Falls Road and Belvidere Avenue, Baltimore, Md.

BIDS must be executed in duplicate and enclosed in sealed envelopes, addressed to the Board of Awards of Baltimore City, marked on the outside:

"PROPOSALS FOR POLICE SUB-STATION AT FALLS ROAD AND BELVIDERE AVENUE"

and left with Mr. Frederick A. Dolfield, City Register, at his office in the City Hall, on or before 11:00 A. M., Wednesday, June 17, 1925.

EACH BID must be accompanied by a certified check of the bidder upon some Clearing House Bank, in the amount of One Thousand Dollars, made payable to the Mayor and City Council.

The successful bidder will be required to give bond and comply with the City Charter respecting contracts.

Drawings and specifications may be seen at the office of the Supervising Engineer of the Public Improvement Commission, 518 Hearst Tower Building, on and after Thursday, June 4, 1925.

The Board reserves the right to reject any or all bids.

PUBLIC IMPROVEMENT COMMISSION,

H. G. PERRING,

Supervising Engineer,

By C. A. MOHR,

Acting Supervising Engineer.

STUART PURCELL,

Chief Engineer.

Approved:

HOWARD W. JACKSON,

President, Board of Awards.

GEORGE E. KIEFFNER,

Asst. City Solicitor.

Bids close June 23, 1925.

Concrete Sidewalk, Curb and Pavement

Hyattsville, Md.

Sealed proposals for constructing approximately 1100 sq. yds. of concrete sidewalk, 6600 lin. ft. of concrete curb and 5000 sq. yds. of concrete pavement on Franklin and Guy Avenues will be received by the Mayor and Common Council of Hyattsville, Maryland, until 8 P. M., Tuesday, June 23, 1925, at which time they will be publicly opened and read in the Council Chamber.

Plans and specifications obtainable after June 8 from Robert B. Morse, Chief Engineer, Washington Suburban Sanitary District, Ralston Avenue, Hyattsville, Md., upon payment of deposit of \$5.00.

IRVING OWENS,

Mayor.

Attest:

G. HODGES CARR,

Clerk.

Bids close June 15, 1925.

Incinerator

High Point, N. C.

Sealed proposals addressed to the undersigned will be received by the City Council of the City of High Point, at the City Manager's office, High Point, N. C. until Monday June 15, 1925, at 8:00 P. M., for furnishing a complete Incinerator of size and type sufficient to meet the needs of the City. (Population 30,000). It is desired that bidders furnish plans and details and bid on Incinerator completely installed and ready for use.

As evidence of good faith every bid must be accompanied by a certified check for 5 per cent of the amount of bid, payable to the City of High Point.

A surety or other acceptable bond for the statutory amount will be required of the successful bidder to guarantee the proper execution of the contract for furnishing and erecting the Incinerator.

The right is reserved to reject any or all bids.

By order of the City Council.

This the 2nd day of June, 1925.

R. L. PICKETT, City Manager.

Bids close June 24, 1925.

Pipe Line, Dam and Reservoir

Greenville, S. C.

Sealed proposals will be received by the Water Commission of the City of Greenville, South Carolina, until 2 o'clock P. M. Wednesday, June 24, 1925, for furnishing and laying a 30-inch gravity pipe line of Cast Iron, Lock Joint Reinforced Concrete, or Lock Bar Steel 18 miles long. Also a 24-inch line 8000 feet long. Also a spread and rolled earth, or a cyclopean concrete dam 760 feet top length with maximum height 140 feet; content of earth dam approximately 600,000 cubic yards and of concrete dam 71,500 cubic yards.

Plans, specifications and profiles will be on file and may be seen at the office of The Ludlow Engineers, Winston-Salem, N. C., and at the office of the Water Works Superintendent, Greenville, S. C., after May 25. Specifications, bid blank, contract form, etc., may be obtained from the Engineers.

For the convenience of prospective bidders full sets of blueprint copies of the plans and profiles will be furnished by the Engineers upon receipt of \$10 (which will not be refunded) to cover the cost of printing, binding and mailing.

Each bid shall be accompanied by a certified check or bid bond in the sum of approximately 5% of the amount of the bid, payable to the Treasurer of the Water Commission.

Proposals will be opened publicly with the usual rights reserved.

H. W. PERRY, Supt.

J. L. LUDLOW, Consulting Engineer,

Winston-Salem, N. C.

Bids close June 18, 1925.

Generating Set, Crane, Etc.

Vero Beach, Fla.

Bids will be received by the City of Vero Beach, Florida, until June 18, 1925, for 750 horsepower Diesel Engine Generator and Switchboard; also for five-ton overhead electric crane.

City reserves the right to reject any and all bids.

H. G. REDSTONE,

City Clerk.

CARTER AND DAMEROW,

Engineers.

Bids close June 15, 1925.

Suction Dredge

Sanford, Fla.

Sealed proposals will be received by the City Commission of Sanford, Florida, at their office in the City Hall at or before 3 P. M. June 15th, 1925, for the purchase of a 10-inch Suction dredge or larger, delivered complete and ready for operation at Sanford, Florida.

Proposals are to be presented in a sealed envelope endorsed on the outside, "Bid for Suction Dredge" and the name of the bidder.

Each proposal must be accompanied by a certified check for \$500, made payable at sight to the order of the City Auditor and Clerk of Sanford, Florida. Payment to be made after satisfactory test of ten days has been made.

The City Commission reserves the right to reject any or all bids or to accept any bid they deem to be for the best interest of the City.

W. B. WILLIAMS,

City Manager.

Bids close June 15, 1925.

Dredging and Filling

NOTICE IS HEREBY GIVEN, That the City Commission of the City of Leesburg, Florida, will receive sealed proposals for filling and dredging in Lake Harris until Eleven o'clock A. M. on the 15th day of June, A. D. 1925.

Proposals must be placed in sealed envelope, marked "Bid for dredging and filling in Lake Harris," and must be accompanied by certified check or surety company bond in the sum of One Thousand Dollars, payable to the City of Leesburg, Florida, as a guarantee that the bidder will enter into contract if his bid be accepted.

The City Commission reserves the right to reject any or all bids received and to accept any bid, subject to the issuance and sale of bonds for the work contemplated.

Specifications, maps and further information will be furnished upon request to W. E. Harkness, City Clerk, Leesburg, Florida, accompanied by a check for Five Dollars.

C. B. GAMBLE,

Acting Mayor-Commissioner,

City of Leesburg, Florida.

Attest: W. E. HARKNESS, City Clerk.

**MINERAL AND TIMBER LANDS, WATER POWER, MISCELLANEOUS PROPERTIES**

FOR SALE—Corporation owning extensive Southern properties, consolidating holdings, and will dispose of ten to fifteen thousand acres underlain with coal, iron ores, marble, ochre and other minerals, also fully equipped limestone quarry. Address No. 6472, care Manufacturers Record.

NORTHWEST GEORGIA.

The scene of the next great industrial development in Georgia. Electric power available. Large power plants under construction.

For industrial sites; pine and hardwood timber; brick shales; clays, large or small water powers; farms in a prosperous section. Write, with detail, as to your requirements.

C. E. VANCE, Calhoun, Ga.

RATES AND CONDITIONS

Rate 30 cents per line per insertion. Minimum space accepted, four lines. In estimating the cost allow seven words of ordinary length to a line. When the advertisement contains a number of long words proper allowance should be made.

Terms: Invariably cash with order; check, postoffice or express order or stamps accepted. No display type used. Questionable or undesirable advertisements will not be accepted. The assistance of our readers in excluding undesirable advertisements is requested. We reserve the right to refuse any advertisement. No patent medicine, oil or mining stock advertisement accepted. Rate for special contracts covering space used as desired within one year as follows 100 lines, 28c per line; 300 lines, 26c per line; 500 lines or more, 25c per line.

**MINERAL AND TIMBER LANDS, WATER POWER, MISCELLANEOUS PROPERTIES****IN NORTH CAROLINA.**

200 acres, 10 miles city of 60,000, on which is deposited: Clay for 600,000,000 Bricks; 200,000 Yards Moulding Sand; 700,000 Yards Asphalt Sand; 200,000 Yards Concrete Sand; 500,000 Yards Stone, Granite.

Best opening in South for Glass Factory. Fortune for capital developing this property. Railroad into this property. Wanting help to develop or will sell. Address No. 6471 care Manufacturers Record, Baltimore, Md.

MINERAL AND TIMBER PROPERTIES WANTED

TO HEAR from parties having mineral properties for sale.

UNITED MINERALS CO., Roanoke, Va.

MINERAL AND TIMBER LANDS, WATER POWER, MISCELLANEOUS PROPERTIES

FLORIDA LANDS—Large tracts of Florida and South Georgia lands, also timber, and mineral deposits. W. L. English, Americus, Ga.

GRANITE QUARRY

OPALINE GRANITE—For sale by owner; completely equipped quarry; new machinery; properties cover 464 acres; opaline granite occurs only in Llano County, Texas. Reason for selling owner is in another line of business and cannot give proper attention to quarry. J. L. Arlitt, Owner, Austin, Texas.

MANGANESE

MANGANESE—260 acres, half mile of river and R. R.—situated in Rockingham County, Va., high grade of ore. Has yielded 6000 tons the acre; we challenge inspection. For full description and references write Box 107, Fairfax, Va.

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TIMBERLANDS, FOREST PRODUCTS, etc. Write us stating your requirements. NORTHERN REALTIES CO., INC., New Birks Building, Montreal, Canada.

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to take over your entire sales in this territory, carry stock, act as your distributing center, finance and otherwise promote the sale of your product. Our 230-foot warehouse, located on railroad siding, equipped with electric cranes, prepared to handle any class of material. Would open New York office, if desired.

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210 (approx.) Lamps, desk, portable with shades and cords.
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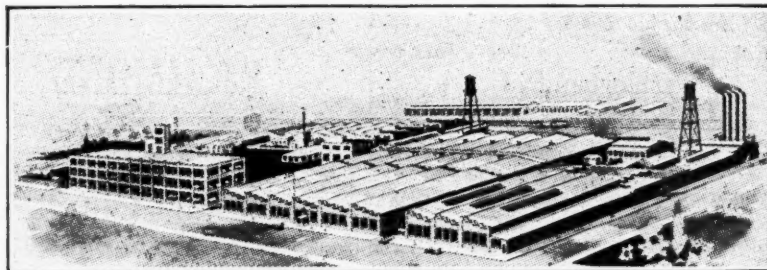
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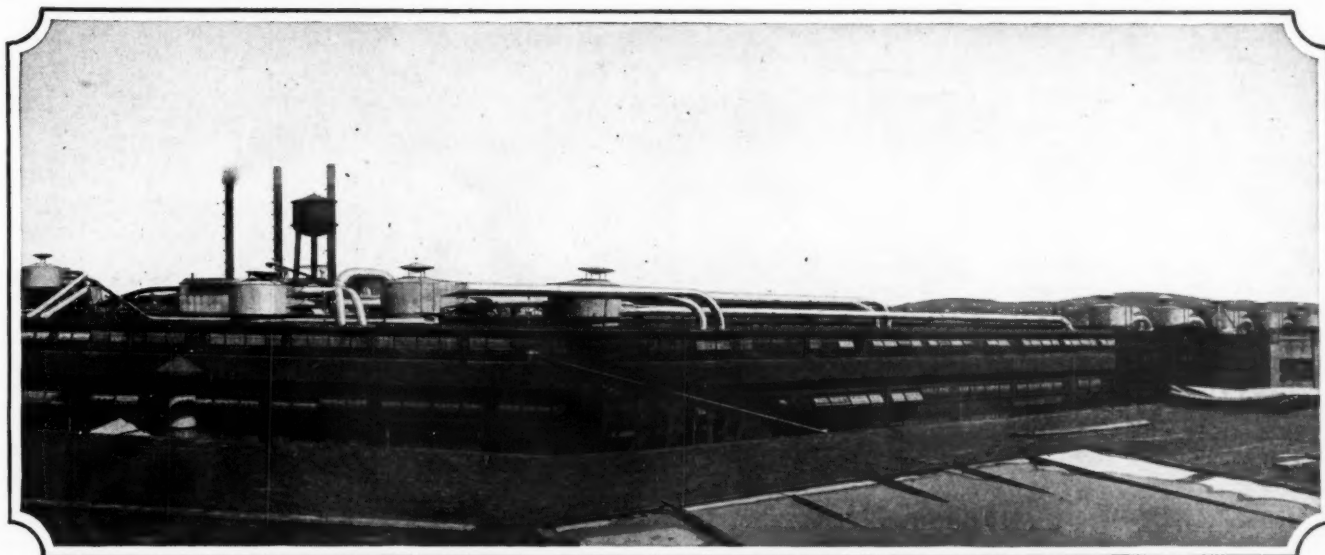
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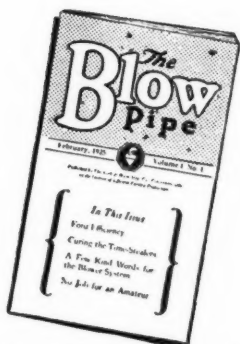
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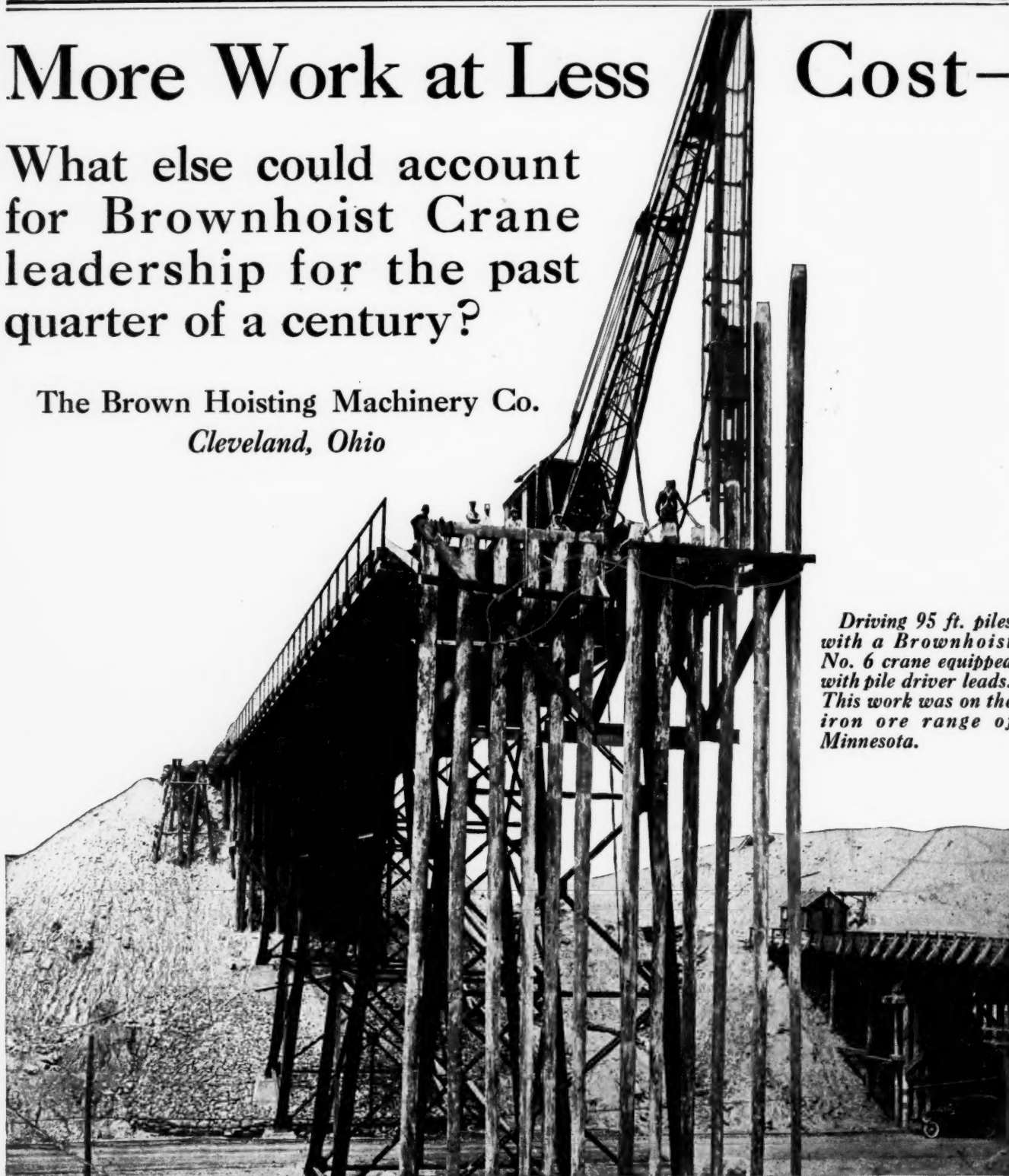
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